

**Next-Gen
Hybrid Inverters,
Lithium Batteries &
Power Backup Solutions**



Energy Storage and Power Backup Solutions for Homes and Businesses

India is blessed with abundant sunshine, yet much of it goes untapped. When the grid fails, homes and businesses still fall back on diesel generators that pollute and lead-acid batteries that need constant maintenance. As the country moves towards clean energy, the way we store and use power has to change too.

Kent New Energy brings that change within reach. Our Energy Storage range pairs high-capacity lithium batteries with single-phase and three-phase solar hybrid inverters, so you can store the sun's energy and run your entire home or business on it. Our Power Backup range replaces lead-acid with zero-maintenance lithium batteries, all-in-one systems and home inverters that last longer and deliver more usable power.

Every product is made in India at our advanced manufacturing facilities, using cells from Tier 1 manufacturers, precise cell balancing and intelligent battery management, and is backed by a warranty of up to 10 years.

It is Kent's commitment to a cleaner, more self-reliant India.





Energy Storage Solutions

Store the Sun. Run Everything.

Kent M1 single-phase (3 to 6 kW) and Kent G3 three-phase (10 to 15 kW) solar hybrid inverters are built to run your whole home or business, not just a few essential loads. They accept solar input of up to twice their rating and carry IP66 protection against dust and water. Pair them with Kent F1 lithium battery packs, from 5.1 kWh to 16 kWh and expandable up to 16 packs in parallel. With Kent CellSync dual active balancing, 6000+ cycles and a 10-year warranty, they are built to perform for years.



Next-Gen Solar Hybrid Inverters



M1 Series

1-Phase • IP66
3KW • 5KW • 6KW



IP66 PROTECTION RATING

Sealed against dust & moisture for worry free performance



2 × PV SOLAR

Dual MPPT-oversize the array up to 200% of rating



200% OVERLOAD

Handles 200% overload for up to 10 seconds



HIGH EFFICIENCY

>97% efficient - high-frequency IGBT design



< 5 MS SWITCH-OVER

Near-instant switchover, no compressor restart



ON-GRID MODE

Runs in pure on-grid mode without battery requirement



SMART LOAD

Sheds non-essential load based on battery SOC diverts surplus solar



GENERATOR PORT

Dedicated DG input for seamless backup power



PARALLEL READY

Up to 3 units in parallel for higher load



LOWER BILLS

Time-of-Use ready-shift heavy loads to cheap hours



KENT CENTCOM™ CLOUD

For seamless monitoring, configuration, & remote diagnosis



4G DATA LOGGER

Data on Indian server with 5-year 4G data pack

Technical Specifications

Model	M1-3KW	M1-5KW	M1-6KW
Product Code	131001	131002	131013
Suitable Load	1 Inverter AC + Lighting load	2 Inverter ACs + 1 Submersible + Lighting Load	2 Inverter ACs + 1 Submersible + Extra Lighting Load
Battery Input Data			
Battery Type	Lead-acid or Lithium-ion		
Battery Voltage Range (V)	40-60		
Max. Charging/Discharging Current (A)	70/70	120/120	135/135
Charging Strategy for Li-ion Battery	Self-adaption to BMS		
Number of Battery Inputs	1		
PV String Input Data			
Max. PV access power (W)	6000	10000	12000
Max. PV Input Power (W)	4800	8000	9600
Max. PV Input Voltage (V)	500		
Start-up Voltage (V)	125		
MPPT Voltage Range (V)	230-425		
Rated PV Input Voltage (V)	370		
Max. Operating PV Input Current (A)	18		
Max. Input Short-Circuit Current (A)	27		
No. of MPP Trackers/No. of Strings per MPP Tracker	2/1+1		
AC Output Data			
Rated AC Output Power (W)	3000	5000	6000
Max. AC Output Power (W)	3300	5500	6600
Rated/Max. AC Output Current (A)	14	24	29
Peak Power (W)	2 times of rated power @ 10 sec		
Rated output voltage (V)	220/230		
Rated Output Frequency (Hz)	50/60		
DC Injection Current	0.50%		
Output Voltage Waveform	Pure Sine Wave		
Total current Harmonic Distortion ThDi	<3%		
AC Input Data (Grid and Generator)			
Max. Input Power to Battery (W)	3000	5000	6000
Rated Input Voltage (V)	230		
Operating Voltage Range(V)	110-300		
Rated Input Frequency (Hz)		50/60	
Grid Input Current (A)	27	43	43
Generator Input Current (A)	30		
Efficiency			
Max. Efficiency	96.90%	97.30%	
Euro Efficiency	96%	96.20%	
MPPT Efficiency	99.90%		
Equipment Protection			
Integrated	DC Reverse Polarity Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Component Monitoring, Insulation Impedance Detection		
Surge Protection Level	TYPE II(DC), TYPE II(AC)		
Interface			
LCD/LED Display	LCD		
Communication Interface	WIFI, 4G, RS485, CAN		
4G Data logger	Included with 5-year data pack		
General Data			
Operating Temperature Range (°C)	-40 to +70		
Permissible Ambient Humidity	0-100%		
Permissible Altitude (m)	2000		
Noise (db)	<35		
Ingress Protection (IP) Rating	IP66		
Inverter Topology	Non-Isolated (solar), Isolated (battery)		
Over Voltage Category	OVC II(DC), OVC III(AC)		
Cabinet Size (WxHxD) (mm)	228 x 470 x 340		
Weight (kg)	19		
Type of Cooling	Natural convection		
Warranty	Standard 5 years/ 10 years when installed with KENT F1 Lithium Battery		
Safety/EMC Standard	IEC62109-1/-2, EN61000-6-1,EN61000-6-2,EN61000-6-3,EN61000-6-4		
Certifications	IS 16221 (PART 2): 2015/IEC 62109-2: 2011, IS 16169: 2019/IEC 62116: 2014, IS 17980: 2022/IEC 62891:2020		

Next-Gen Solar Hybrid Inverters



G3 Series

3-Phase • IP66
10KW • 12KW • 15KW



IP66 PROTECTION RATING

Sealed against dust & moisture for worry free performance



2 × PV SOLAR

Dual MPPT-oversize the array up to 200% of rating



200% OVERLOAD

Handles 200% overload for up to 10 seconds



HIGH EFFICIENCY

>97% efficient - high-frequency IGBT design



< 5 MS SWITCH-OVER

Near-instant switchover, no compressor restart



ON-GRID MODE

Runs in pure on-grid mode without battery requirement



SMART LOAD

Sheds non-essential loads based on Battery SOC, diverts surplus solar



BALANCE PHASES

100% unbalanced output-up to 50% on one phase



PARALLEL READY

Up to 6 units in parallel for higher load



LOWER BILLS

Time-of-Use ready-shift heavy loads to cheap hours



KENT CENTCOM™ CLOUD

For seamless monitoring, configuration, & remote diagnosis



4G DATA LOGGER

Data on Indian server with 5-year 4G data pack

Technical Specifications

Model	G3-10K		G3-12K		G3-15K	
Product Code	131009		131010		131011	
Suitable Load	3ACs + 5Kw		4ACs + 6Kw		5ACs + 7Kw	
Battery Input Data						
Battery type	Li-ion / Lead-acid					
Battery Voltage Range (V)	40 - 60					
Max. Charge/Discharge Current (A)	220		250		290	
Number of Battery Inputs	2					
Communication	CAN / ₹485					
PV String Input DC						
Max. PV array size (Kw)	20		24		30	
Max. usable PV input power (Kw)	16		19.2		24	
Max. PV Input Voltage (V)	1000					
Rated PV Input Voltage (V)	550					
Start-up voltage (V)	160					
MPPT voltage range (V)	200 - 850					
Max. PV Input Current (A)	20 / 40				40 / 40	
Max. short circuit current (A)	30 / 50				50 / 50	
No. of MPP Trackers/No. of Strings per MPP Tracker	2 / 3				2 / 4	
AC Output Data (Grid side)						
Rated AC output power (Kw)	10		12		15	
Max. apparent output power (KVA)	10		12		15	
Operation phase	3/N/PE					
Rated grid voltage (V)	380 V/400 V					
Rated grid frequency (Hz)	50 / 60					
Rated grid output current (A)	15.2/ 14.4		18.2/17.3		22.8/21.7	
Power factor	>0.99 [0.8 leading - 0.8 lagging]					
THDi	<3%					
AC Input Data (Grid)						
Input Voltage Range (V)	323 - 460 V					
Operating Voltage Range(V)	110-300 (for each phase)					
Max. Input Current (A)	22.8 / 21.7		27.3 / 26.0		34.2 / 32.5	
AC Input Data (Generator)						
Max. input power (Kw)	10		12		15	
Max. input current (A)	15.2		18.2		22.8	
Rated input voltage (V)	3/N/PE, 380/400 V					
Rated input frequency (Hz)	50 / 60					
Output AC (Back-up)						
Rated AC output power (Kw)	10 kW		12 kW		15 kW	
Max. AC output power	2 times of rated power, 10 s					
Back-up switch time	< 5 ms					
Rated output voltage (V)	3/N/PE, 380 V / 400 V					
Rated Outputfrequency (Hz)	15.2/14.4		50 / 60		22.8 / 21.7	
Rated output current (A)	15.2		18.2		22.8	
Max. continuous output current (A)	15.2		18.2		22.8	
Max. continuous AC passthrough current (A)	50					
THDv (@linear load)	< 3%					
Efficiency						
Max. efficiency	97.60%					
BAT discharged to AC max. efficiency	94.50%					
BAT charged by PV / AC max. efficiency	95.0% / 94.4%					
Equipement Protection						
Anti-islanding protection	Yes					
Insulation resistance monitoring	Yes					
Output over current protection	Yes					
Short circuit protection	Yes					
DC reverse-polarity protection	Yes					
Surge Protection	Yes					
General Data						
Dimensions (W xH× D) (mm)	430 x 660 x 305					
Weight (Kg)	42					
Warranty	Standard 5 years/ 10 years when installed with KENT F1 Lithium Battery					
Topology	Non-isolated					
Operating ambient temperature range (°C)	-25 ~ +60					
Ingress protection	IP66					
Noise [dB]	< 65					
Cooling concept	Intelligent fan-cooling					
Max. operating altitude (m)	4000					
Grid connection standard	IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, Sri Lanka, EN 50438L, Vitnam, MEA, PEA					
Safety / EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3					
Features						
DC Connection	MC4 Quick connection plug [PV] & Screw terminal (Battery)					
AC Connection	Screw terminal					
Display	7.0" LCD display & Bluetooth + APP					
Communication	CAN, RS485, Ethernet, Optional: S3-WiFi-ST, Cellular, LAN					

Next-Gen KENT Lithium Battery



The Perfect Battery
For Every Hybrid Inverter

F1 Series / 51.2V

5.1 kW • 11.8 kW • 14.4 kW • 16 kW



TIER A+ LFP CELLS
Premium LFP cells
rated for 6000+ cycles



ADVANCE BMS
Monitors, protects
and balances every cell



COMPRESSED CELL PACK
Keeps cells firmly
secured for long-life



**KENT CELLSYNC™ DUAL
ACTIVE BALANCING**
Actively balances 2 cells
parallelly for a balanced pack



UPTO 1C DISCHARGE
Delivers full rated power
when needed



**20 A CHARGE
CURRENT LIMITING**
Protects parallel
batteries from excessive
charging current



BUILT-IN MCB
Integrated DC protection that
can be reset when tripped



TOUCHSCREEN DISPLAY
View battery status,
cell data and fault
history



UP TO 16 IN PARALLEL
Scale storage from
5.12 kWh to 200+ kWh



AUTO-NETWORKING
Connect multiple batteries in
parallel without DIP switch



**RS485 & CAN
COMMUNICATION**
Enables universal
compatibility with all hybrid
inverters



FLEXIBLE INSTALLATION
Supports both wall-mounted
and floor-standing installation

Technical Specifications

Item Code	132401	132402	132403	132404
Nominal Power	5.12 kWh	11.8 kWh	14.4 kWh	16 kWh
Cell Chemistry	LiFeP04			
Cell Rating	100 Ah	230 Ah	280 Ah	314 Ah
Nominal Voltage	51.2 V			
Operating Voltage	44.8 V - 57.6 V			
Recommended Charge Current	50 A	115 A	140 A	157 A
Discharge Current				
Recommended	50 A	115 A	140 A	157 A
Max Continuous	100 A	200 A	200 A	200 A
Max Discharge Power	5.12 kWh	10 kWh	10 kWh	10 kWh
Recommended DoD	90%			
Cell Cycle Life	>6000 (25±2°C, 70% EOL)			
Cell Balancing Type/Current	Dual-Active / 2A			
Pack-to-Pack Limiting Current	20 A			
Max Parallel Batteries	16			
Communication	RS 485 / CAN 2.0 / WiFi & Bluetooth			
Display	3.5" Touchscreen			
Primary BMS Protection	Over-Discharge Protection, Over-Charge Protection, Over-Current Protection, Over-Temperature / Thermal Protection, Short-Circuit Protection			
Secondary Protection	DC MCB			
Installation	Wall-mounted / Floor-standing	Floor-standing		
Battery Terminal	2×M8			
Warranted Energy Throughput	15 MWh	36 MWh	44 MWh	48 MWh
Warranty	10 years			
IP Rating	IP 21			
Operating Temprature				
Charging	0 to 55°C			
Discharging	-20 to 55°C			
Storage Temprature	0 to 35°C			
Relative Humidity	95% (non-condensing)			
Altitude	<3000m			
Dimensions (H×W×D)mm	626×400×200	761×430×277	910×450×290	910×450×290
Approx Weight	62 kg	98 kg	125 kg	130 kg

Next-Gen KENT Solar MPPT Inverter



Off-Grid PCU for
Seamless Power Backup

S1 Series
3600 VA



3 KW MPPT

Optimises solar input for
higher energy harvest



SELECTABLE PRIORITY

Set Priority as needed -
Solar, Grid or Battery



RUN AC & SUBMERSIBLE PUMP

Runs one non-inverter
AC or one submersible pump



PURE SINE WAVE

Clean power for quieter
fans and safer electronics



LEAD OR LITHIUM

Compatible with 24V lead-acid
or lithium batteries



LCD DISPLAY

Solar, battery, load and
fault status at a glance



KENT S1 3600

Kent S1 3600 — Solar + Battery + Inverter

One unit that takes power from your solar panels, stores it in a battery, and runs your home.

- **Lower bills** - Your panels run the house all day, so you buy far less from the grid.
- **Full backup** - 3600VA of pure sine power keeps AC, submersible fans, lights, TV and fridge running when the power goes.
- **Room to grow** - Add more panels later. Solar input handles up to 2x the inverter rating.
- **Recommended battery** - Kent A5 3840 Lithium Battery — 3500+ cycles, 5-year warranty, 10-year life

Technical Specifications

Model	S1-3600
Item Code	131006
Rating	3600 VA
AC Input	
Normal Mode	90 - 295 V
UPS Mode	165 - 265 V
AC Output	
Wave Form Type	Pure Sine Wave
Output Voltage	220 VA
Output Frequency	50 Hz
Bulb Load	2440 W
ThDi Distortion	<5%
Peak Efficiency	>93%
PV Specifications	
Number of MPPT	1
Max Panel Power	3000 W
Max PV Voltage	105 V
Max PV Current	70 A
General Specifications	
Protections	Overload backup, short circuit in backup mode, Short circuit in Grid Mode, back feed, Over Temperature, Reverse Battery and Phase-to-Phase Protection in Grid mode
Display	LCD
IP Rating	IP 20
Relative Humidity	<95% (Non-condensing)
Noise	<50 db
Operating Temperature	0-45 Degree C
Cooling Type	Forced Air Cooling
Warranty	2 Years
Dimensions (WxHxD)	350x 261x 430 mm
Weight	23.25 Kg

Power Backup Solutions

Move from Lead to Lithium.

Kent A6 (12.8V) and A5 (25.6V) lithium batteries replace the lead-acid battery in your home inverter or UPS. They offer universal inverter compatibility, need zero maintenance and last about three times as long, with a Bluetooth Smart BMS and built-in MCB protection, backed by a 5-year warranty. For new installations, Kent AIO all-in-one systems combine the inverter and lithium battery in a single compact unit, while Kent H1 home inverters pair perfectly with Kent lithium batteries.



Next-Gen KENT All-In-One Inverter



Compact Home UPS/Inverter
with Built-in Lithium Battery

AIO Series
1100 • 2400



Smart Inverter



BUILT-IN LITHIUM BATTERY

Inverter and battery come factory-fitted as one unit



SMART INVERTER

Check battery level, health and faults on your phone



COMPACT SIZE

Space-saving compact design fits seamlessly anywhere



PURE SINE WAVE

Clean power for quieter fans and safer electronics



ZERO MAINTENANCE

No water filling, terminal cleaning or battery trolley



ADVANCE BMS

Monitors, protects and balances every cell



30% COST SAVING

Cut your electricity bills by up to 30% with Lithium Batteries



LCD DISPLAY

Mains, battery, load and fault status at a glance



FLOOR MOUNTED

No drilling or wall mounting. Simply place and connect.

Tubular Lead Acid Battery vs KENT Lithium Battery

POINT	LEAD-ACID	KENT LITHIUM
Usable Energy	About 50%	About 90%
Design Life	< 800 (3 Years)	> 3000 (10 Years)
Maintenance	Water Filling, Terminal Cleaning	Zero Maintenance
Weight Per kWh	About 33 kg	About 10 Kg
Installation	Open Area, As it Releases Acid Fumes	Indoor, No Harmful Fumes
Charging Time	8 to 10 Hours	2 To 4 Hours
Voltage While Running	Keeps Falling	Almost Flat
On Heavy Load	Gives Less Than its Rating	Gives its Full Rating
In Summer	Life Becomes Shorter in Heat	Handles Heat Better as Bms Protects it

Technical Specifications

Item Code	131003	131012
AC Input		
Normal Mode	90-290 V	
UPS Mode	180-265 V	
AC Output		
Wave Form Type	Pure Sine Wave	
Output Voltage	220 V ± 10%	
Output Frequency	50 Hz ± 0.5 Hz	
Bulb Load	800 W	1900 W
ThDi Distortion	≤ 3% (at Linear Load)	
Peak Efficiency	>73%	>78%
Battery Specifications		
Battery Type	LiFePO4 (LFP)	
Cycle Life	>3000 cycles (25 ± 2, 70% EOL)	
Battery Voltage	12.8 V	25.6 V
Cell Rating	100 Ah	100 Ah
Nominal Power	1280 W	2560 W
Max Discharge Current	70 A	
Max Discharge Power	896 W	1792 W
BMS	Smart BMS with BLE	
Protections	Overload Protection, Low Battery Protection, Short Circuit Protection, Over Temperature Protection	
General Specifications		
Display	LCD	
IP Rating	IP 21	
Relative Humidity	<95% (Non-condensing)	
Noise	<50 db	
Operating Temperature	0-40 °C	
Cooling Type	Forced Air Cooling	
Warranty	5 Years	
Dimensions (W×H×L)	280 × 320 × 340 mm	400 × 400 × 470 mm
Weight	25 kg	46 kg

Next-Gen KENT Home UPS/Inverter



Pure Sine Wave with
Clean Power back-up

H1 Series
1100VA • 2400VA



PURE SINE WAVE

Clean power for quieter fans and safer electronics



LEAD OR LITHIUM

Works with both battery types, with no inverter change needed



UPS & INVERTER MODE

UPS for sensitive electronics.
Inverter mode for unstable mains



2 RATINGS, 2 VOLTAGES

1100 VA on 12V and 2400 VA on 24V for easy selection



LED STATUS DISPLAY

Mains, battery, charging and fault status at a glance



MANUAL BYPASS

Keeps the home running on mains during servicing

KENT H1 Home UPS/Inverter



KENT H1 is a pure sine wave inverter. During a power cut it gives your home the same clean, smooth power as the grid. Fans run quietly at full speed, refrigerators and mixers start without strain, and TVs, laptops, routers and water purifiers stay protected. The result is longer appliance life and backup you don't have to think about.

- **Grid-like power**-Same smooth waveform as mains supply.
- **Quieter fans and motors**-Less humming and buzzing during backup.
- **Cooler running**-Appliances heat up less, which helps them last longer.
- **Safe for electronics**-Gentle on TVs, laptops, routers and purifiers.
- **Lead-acid or lithium**-Works with your existing battery or a KENT LFP battery.

Technical Specifications

Model	H1-1100	H1-2400
Item Code	131004	131005
Rating	1100	2400
AC Input		
Normal Mode	90 - 295 V	
UPS Mode	180-265 V	
AC Output		
Wave Form Type	Pure Sine Wave	
Output Voltage	220 V $\pm$ 5V	
Output Frequency	50 Hz	
Bulb Load	720	1600
ThDi Distortion	<3%	
Peak Efficiency		
Protection	Overload protection, Battery voltage low protection, mins resttable Fuse Trip Ptection, Short circuits protection, Thermal Protection	
General Specifications		
Display	LED	
IP Rating	IP 20	
Relative Humidity	<95% (Non-condensing)	
Noise	<50 db	
Operating Temperature	0-45 °C	
Cooling Type	Fan Cooling	
Warranty	3 Years	
Dimensions (LxWxH)	270×224×125 mm	349×260×160 mm
Weight	8.9 kg	16.15 kg

Next-Gen KENT Lithium Battery



Smart LFP Battery Compatible with all Inverters

A6 Series / 12.8V
1280 Wh • 1920 Wh

A5 Series / 25.6V
2560 Wh • 3840 Wh



UNIVERSAL INVERTER COMPATIBILITY

Works with your existing inverter—just replace the battery.



ZERO MAINTENANCE

Maintenance-free power—no water, acid checks, or corrosion.



INBUILT SMART BMS

BLE-enabled BMS for real-time battery monitoring on your mobile.



INBUILT MCB PROTECTION

Built-in MCB protects against short circuits and overcurrent.



TEN-YEAR DESIGN LIFE

10+ years of life with 3000+ cycles—3× longer than lead-acid.



NO HARMFUL FUMES

Dry LFP chemistry—leak-free, emission-free, and safe for home use.



90% DEPTH OF DISCHARGE

Up to 90% usable capacity—nearly 2× lead-acid.



FAST CHARGING

Fast LFP charging—full backup in just 2 hours.



FLEXIBLE INSTALLATION

Wall mount it.
Counter-place it.
Your space, your choice.

Tubular Lead Acid Battery vs KENT Lithium Battery

POINT	LEAD-ACID	KENT LITHIUM
Usable Energy	About 50%	About 90%
Design Life	<800 (3 Years)	>3000 (10 Years)
Maintenance	Water Filling, Terminal Cleaning	Zero Maintenance
Weight Per kWh	About 33 kg	About 10 Kg
Installation	Open Area, As it Releases Acid Fumes	Indoor, No Harmful Fumes
Charging Time	8 to 10 Hours	2 To 4 Hours
Voltage While Running	Keeps Falling	Almost Flat
On Heavy Load	Gives Less Than its Rating	Gives its Full Rating
In Summer	Life Becomes Shorter in Heat	Handles Heat Better as Bms Protects it

Technical Specifications

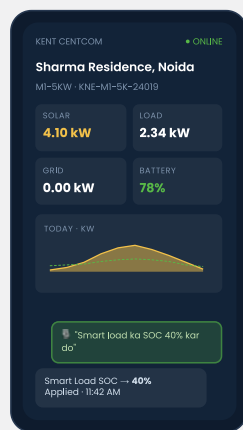
Item Code	132201	132203	132101	132102
Model	A6-1280	A6-1920	A5-2560	A5-3840
Parameter	12.8V/100 Ah	12.8V/150 Ah	25.6V/100 Ah	25.6V/150 Ah
Nominal Voltage	12.8 V		25.6 V	
Rated Capacity	100 Ah	150 Ah	100 Ah	150 Ah
BMS		Smart BMS (BLE Enabled)		
Cell Type & Chemistry	Prismatic Cell/LiFePo4			
Nominal Energy @ 25°C	1280 Wh	1920 Wh	2560 Wh	3840 Wh
Battery Operatng Voltage	10.2-14.4 V		20.4-28.8 V	
LFP Cell Life (Cycles)	3000+			
Charging Current Max	50 A	75 A	50 A	75 A
Discharging Curent Max	75 A	115 A	75 A	115 A
Peak Discharge Current	80A for 60 Second	120A for 60 Second	80A for 60 Second	120A for 60 Second
Max charging time	2 Hours@ 50A	2 Hours@ 75A	2 Hours@ 50A	2 Hours@ 75A
Max Discharging time	1Hr 20Mins@75Amp	1Hr 20Mins@115Amp	1Hr 20Mins@75Amp	1Hr 20Mins@115Amp
Operatng temp		0-60 °C		
Relative Humidity		5%-95%		
Altitude		<2000m		
Max DOD	95%			
Size (L×W×H)	251×162×329 mm	325×288×255 mm	406×165×360 mm	367×434×255 mm
Weight Gross	13.95 Kg	21.2 Kg	24.3 Kg	37 Kg
Cell-to-Cell Balancing Type	Pasive Balancing			
Battery Terminal Type	M6 Bolt			
IP Rating	IP20			
Secondary Protection	DCMCB			
Warranty Period	5 Years			

KENT CentCom™

Diagnose Remotely. Fix Instantly.



An inverter is about one fifth of the cost of a solar system, but it causes most of the complaints. And most of those complaints are a wrong setting or an alarm that was never cleared — not a damaged inverter. KENT CentCom™ lets you check the inverter and correct it from your phone.



Find the fault and fix it, from wherever you are.

On your phone, KENT CentCom™ reads every KENT Solar Hybrid Inverter over its own 4G data logger and shows you exactly what the system is doing, right now, at any site.

- Live solar, grid, battery, normal load and smart load data
- Change any inverter setting from the app
- Clear alarms without touching the unit
- Give settings by voice in 7 Indian languages
- Works for the customer, engineer, integrator, distributor and KENT

1

REMOTE DIAGNOSIS

See live inverter data and find what is actually wrong

2

REMOTE FIXING

Change the setting or clear the alarm from the same screen

3

NO SITE VISIT

Most complaints close without sending anyone to site

4

LOWER COST

No travel, no technician time, no second trip for a spare

5

HAPPIER CUSTOMERS

Problems solved the same day, not the same week

6

MORE SALES

Customers looked after well refer you for more orders



LIVE DATA

Solar, grid, battery, normal and smart load



REMOTE SETTINGS

Change any inverter setting from the app



CLEAR ALARMS

Reset held faults without touching the unit



KENT AI-SETTINGS™

Voice or chat input in 7 Indian languages



4G DATA LOGGER

Integrated M2M SIM with 5 years of data pack



DATA STAYS IN INDIA

Kept on Indian servers, not a foreign cloud



5 ACCESS LEVELS

Customer, engineer, integrator, distributor, Kent



PARALLEL & CLUSTER

View parallel inverters and battery pack clusters easily

What you can see

Every data point the inverter knows, available on a phone in your pocket.

KENT CentCom™ reads the inverter continuously over its 4G data logger and gives you one live screen for each site. Parallel inverters and battery clusters are shown as a single system, so you do not have to open one device after another to answer a simple question.



Solar & PV Strings

Voltage, current and power on both MPPTs, today's generation curve, and units generated by day, month and year.



Grid

Grid import and export, voltage and frequency, and every changeover event with the exact time it happened.



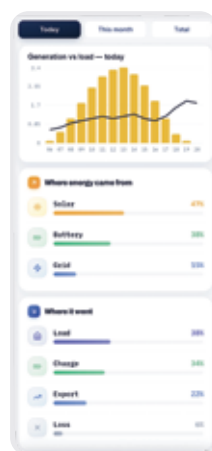
Normal & Smart Load

Grid import and export, voltage and frequency, and every changeover event with the exact time it happened.



Battery & BMS

State of charge, pack voltage, charge and discharge current, and each cell's voltage and temperature. Clusters add up into one figure.



Energy & Savings

Units generated, used at home, exported and taken from the grid, with the money saved by day, month and year.



Alarms, Events & Settings

Present and past fault codes, protection trips, mode changes, and every setting change with the name of the person who made it.

₹10,000 worth of connectivity, given free.

KENT does not sell connectivity separately and does not depend on the customer's Wi-Fi. Every KENT Solar Hybrid Inverter comes with the hardware and 4G data already paid for.

KENT 4G Data Logger
with integrated M2M SIM

5 years of data, from date
of installation

KENT CentCom™ access
for all users

₹10,000

BUNDLE VALUE

YOU PAY ₹0

KENT OJAS™ - AI Voice Assistant for Hybrid Inverters

KENT OJAS™

INDUSTRY FIRST

Just say what you want changed.

No menus, no parameter codes, no manual in English. Your engineer speaks or types the change in his own language and KENT CentCom™ applies it to the inverter. He can give several settings in one sentence. A technician in a small town can now set up a hybrid inverter correctly the first time.

हिन्दी

ગુજરાતી

বাংলা

தமிழ்

മലയാളം

ಕನ್ನಡ

తెలుగు

English

Voice or text. Every change is recorded against the engineer's account and the inverter serial number, so there is a clear record of who changed what and when.

VOICE · हिन्दी

11:42 AM

"Smart load ka SOC 40 percent
kar do aur battery
communication alarm clear kar
do"

Smart Load cut-off SOC • 40%
Battery comm. alarm • Cleared
Applied to KNE-M1-5K-24019

Why it works everywhere

None of this works if the inverter is not online.

Remote service is only useful if it works at every site, not only the easy ones. KENT has settled this in the hardware, so it is not left to the customer.

KENT — standard with every inverter

4G Data Logger with 2G fallback

Integrated M2M SIM with data pack, free for 5 years from installation

Works on rooftops, farms, shops and basements with no Wi-Fi

Drops to 2G instead of going offline

Not affected when the customer changes his router or password

The usual alternative

Wi-Fi dongle only

There is no Wi-Fi coverage at all where most inverters are installed

Even where a dongle is fitted, it fails to stay connected in close to 90% of cases

The connection drops and the inverter goes offline

It stops working the moment the customer changes his Wi-Fi password

Compatibility & specification

Details

Inverters

KENT M1 Series 3KW / 5KW / 6KW • KENT G3 Series 10KW / 12KW / 15KW

Batteries

KENT Lithium series with BMS data; multiple packs in a cluster supported

Parallel / cluster operation

Up to 6 inverters in parallel and 16 batteries in a cluster, shown as one system

Connectivity

4G data logger with integrated M2M SIM and 2G fallback; Wi-Fi, RS485 and CAN also available



New Energy

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