

Delta All-In-One Storage Solutions



The Hybrid E5 energy storage system consists of a single phase 5kW hybrid inverter, a separate battery cabinet equipped with a high capacity 6kWh Li-Ion battery, Power Meter and Smart Monitor. The Hybrid E5 storage system has been designed to integrate seamlessly with the battery and features dual MPPT, a standalone function and a high charging efficiency of up to 97%. This is made possible as the inverter can send DC electricity generated by the PV system directly to the battery, without any additional power conversion steps or equipment required. The E5 inverter and battery cabinet are compact and separate from each other, allowing for greater flexibility and simplified installation. The Power Meter measures energy flow and displays the data on the Smart Monitor, which can be used to control the system operation modes to maximise use of self-generated solar energy.



1. Hybrid Inverter

The E5 inverter is a true hybrid battery-ready inverter. Acting as a traditional inverter with the one exception that it can deliver energy during a power outage provided your solar array is generating electricity, even without batteries.



2. Battery

Pair the BX6.0 to the E5 and you have instant "Energy Security" for when the grid lets you down. Also, saving you money by storing your free solar energy for use later on.



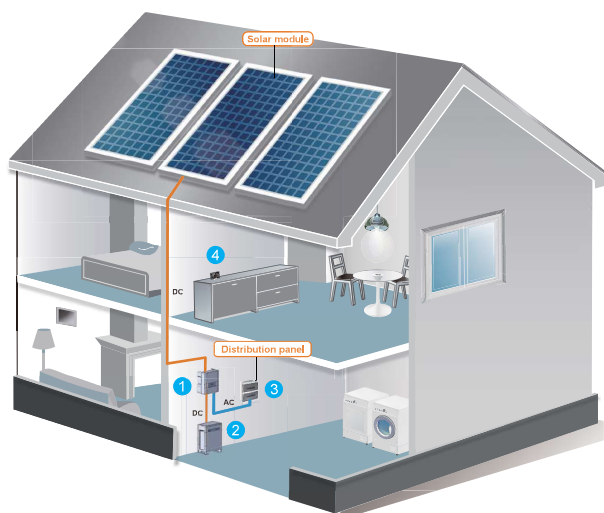
3. Power Meter

The P1E and P3E can measure your energy purchased, exported, stored and self consumed. The R4 will display this in real time as it happens. P1E is for single-phase systems and P3E for three-phase systems.

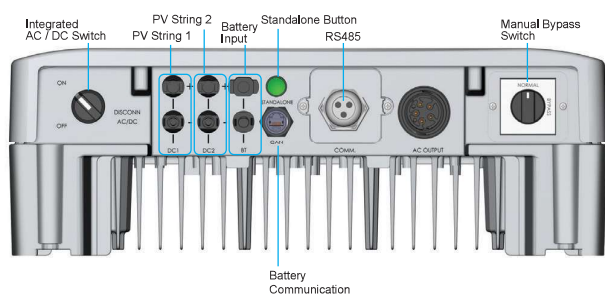


4. Smart Monitor

The R4 brings a new dynamic to managing your energy. Choose when and how you want energy delivered. View the real time status of your battery and consumption.



Input / Output Interface



Designed For Battery Safety

- Safe and Powerful
- Floor or Wall Mounted
- Water-resistant and dustproof
- Extremely Quiet
- Solid Protection



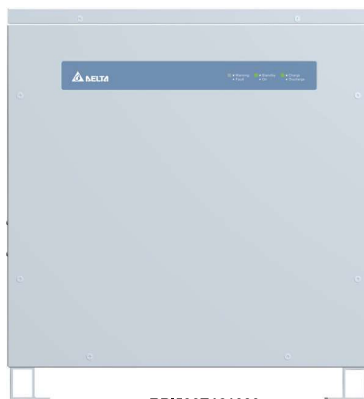


Hybrid Inverter



BX6.0

Model: E5	Product Code	BX6.0
DC Input	Rated Voltage	370V DC
	Recommended PV Power	7kW
	MPPT	2
	Max. Input Current	2x 12A DC
	Operating Voltage Range	100V DC ~ 550V DC
	MPP Voltage Range	220V DC ~ 450V DC
AC Output	Rated Output Power	5000VA
	Rated Voltage	230V AC
	THD	< 3% at rated power
Standard Power With Battery & Solar	28A (on critical load)	
Maximum Power Only Solar*	5,0kW	
Standalone Power With Battery Only	3,6kVA	
Nighttime Consumption	<30W with battery; without battery <10W	
Communication	Wi-Fi (option) / RS-485	
Dimensions(Unit)	510 x 445 x 177mm	
Weight	27kg	



RPI502E121000

Battery

Product Code	RPI502E121000
Battery Supplier	Panasonic
Nominal Capacity	6kWh
Maximum Capacity	6,4kWh
Usable Capacity (80% DoD)	4,8kWh
Cycle Stability (80% DoD)	6000
Voltage Range	85 ~ 104V DC
Nominal Charging Power	2,5kW
Nominal Discharging Power	3kW
Max. Charging Current	30A
Max. Discharging Current	35A
Battery Technology	Li-ion
Dimensions	552 x 596 x 200mm
Weight	75kg
Enclosure Rating	IP55
Installation Type	Indoor / outdoor (For longer battery life it is recommend the battery is used indoors)



PPM P1E-000



PPM P3E-000

Power Meter

Model	PPM P1E-000	PPM P3E-000
Phase	1	3
Communication	Wi-Fi (N1) / RS-485	Wi-Fi (N1) / RS-485
Operating Voltage Range (L – N)	85V AC ~ 264V AC	130V AC ~ 260V AC
Power Consumption	Max. 2 Watt	Max. 3 Watt
Power Consumption with N1	Max. 4 Watt	Max. 6 Watt



PPM-R4

Smart Monitor

Module	PPM-R4
Rated Operating Voltage	12V DC (12V power supplied by E5 inverter via RS485 cable)
Power Consumption	< 6 Watt (Without USB port)
Information	LCD Display
	Touch resistive screen
	7 inch TFT LCD, 800 x 480
	Pixel, 24 bit RGB
Communication	RS-485 / Wi-Fi