



EVE GRADE A BATTERY CELL

51.2V 200Ah 10.24kWh



More energy available

90% discharge
Optimising energy at module level



Flexible investment

Modular design
Up to 33pcs in parallel



Safe & Secure

Lithium Iron Phosphate battery(LFP)
Low voltage safety connection



Easy installation

Simple and easy operation



WIFI+APP

Power generation data
monitoring platform and APP



Perfectly applicable

Applicable to single-phase and
three-phase residential inverters

Compatible inverter brands:

-DEYE/Luxpower/Growatt/Megarevo/Goodwe/MUST/SRNE/EPEVER/Afore

-SMA/Studer/ Solax/Solis/Sofar/Schneider/Sorotec/SMK/Victron/Voltronic/INHENERGY

PT-ESS-W10240	
BATTERY MODULE SPECIFICATION	
Battery/Cell Type	LFP
Nominal Voltage (Vdc)	51.2V
Nominal Capacity (Ah)	200Ah
Total Energy (Wh)	10240
Max. Charge and Discharge Current (A)	120/150
Recommend Charge and Discharge Current (A)	80
Recommend DOD	90%
Operating Voltage Range (Vdc)	43.2-57.6
Discharge Cut-off Voltage (V)	40
Parallel	Up to 33 connected in parallel
Calendar Life	20 years @25°C, 15 years @35°C, 10 years @45°C
Cycle Life	≥6000 cycles at 90% DOD
Warranty	5 years (designed lifetime 15 years)
COMMUNICATION	
Display	SOC status indicator
Communication	CAN(IN&OUT) between modules in Parallel, CAN bus/RS485 to inverter, USB to PC Monitoring
WIFI Function	Wifi for APP and Platform Monitoring
STANDARD COMPLIANCE	
Safety (Cell level)	UL1642 / CE / ROHS / MSDS / UN38.3
Safety (Module level)	IEC62619 / CE / ROHS / MSDS / UN38.3
MECHANICAL SPECIFICATIONS	
Dimensions (W x H x D) (mm)	855*550*155
Weight (kgs)	95kgs
Mounting	Floor Standing
Operating Temperature ⁽⁴⁾ Charge/Discharge (°C)	-20 to +55
Storage Temperature (6 months between recharge) (°C)	-20 to +35
Cooling Method	Natural convection
Noise (at 1m distance) (dBA)	<25

Hybrid Solar System

