



**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	
<b>BATTERY MODULE SPECIFICATION</b>	
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)
<b>COMMUNICATION</b>	
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
<b>STANDARD COMPLIANCE</b>	
Safety (Cell level)	UL1642 / CE / ROHS / MSDS / UN38.3
Safety (Module level)	IEC62619 / CE / ROHS / MSDS / UN38.3
<b>MECHANICAL SPECIFICATIONS</b>	
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

