



# Telecom ESS

GTP 4850

GTP 48100

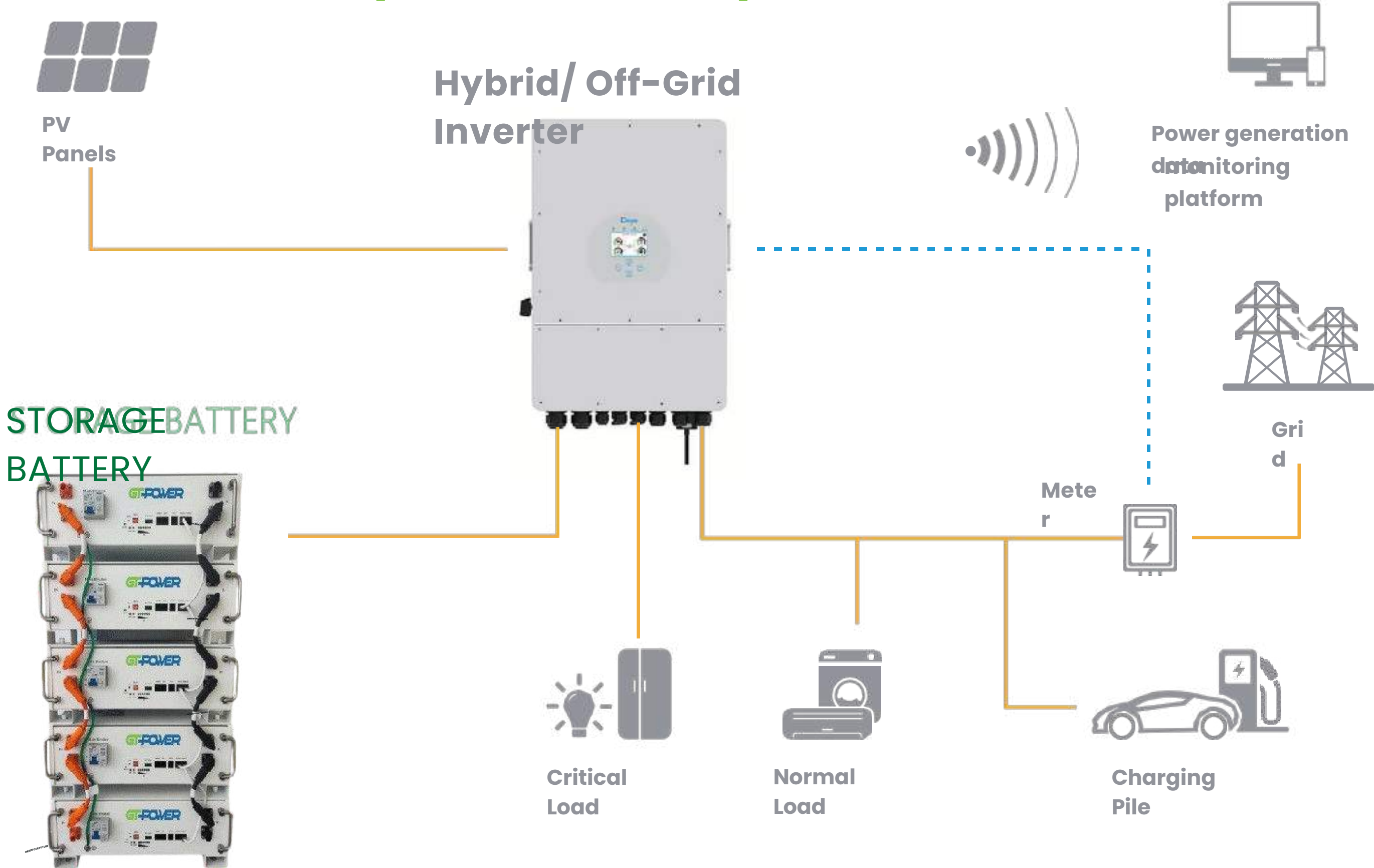
GTP 48150

GTP 48200

## Specification

Product Type		GTP-48/51.2 100
Battery Module Specification		
Battery/Cell Type	LFP	
Nominal Voltage (Vdc)	51.2V	
Nominal Capacity (Ah)	100Ah	
Total Energy (Wh)	5120	
Max. Charge and Discharge Current (A)	100	
Recommend Charge and Discharge Current (A)	50	
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	Optional	
Communication	CAN bus/RS485 to inverter, USB to PC Monitoring	
Wi-Fi Functions	Optional	
Standard Compliance		
Safety (Cell Levels)	IEC62619 / IEC62619 / CE / ROHS / MSDS / UN38.3	
Safety (Module Levels)	IEC61000 / CE / ROHS / MSDS / UN38.3	
Mechanical Specifications		
Dimension (WxHxD) (mm)	440*440*145	
Weight (Kgs)	48	
Mounting	Wall mounted/Stackable	
Operating Temperature 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



## Product Features



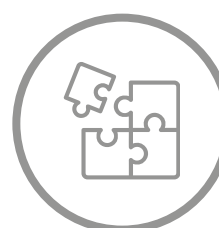
### High Safety and Reliability

The system adapts high safety LFP cells with IEC & UL certifications



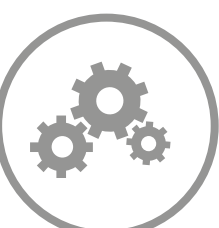
### Compatibility

Compatible with most hybrid/battery inverters in self-use, backup, and off-grid Applications



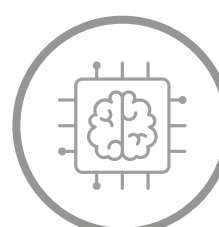
### High Adaptability

Wide operating temperature range. Charging temperature at 0~55°C - Discharging temperature at -20~60°C



### Flexible Configuration

Supports parallel operation for flexible configuration



### Intelligent

Specifically designed for off grid connected places such as telecommunication signal towers and radio stations