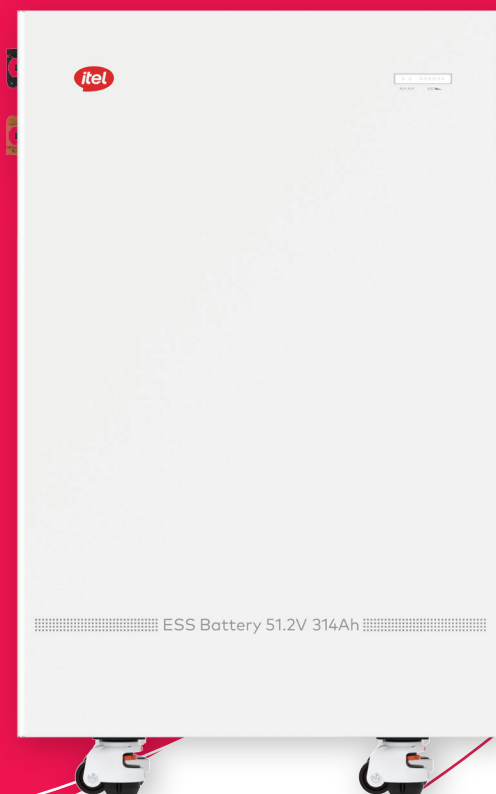


IPL-51314H

Battery



IPL-51314H | 314Ah



Class-A LiFePO4 Battery Cell

Cycle Life 6000

High Safety and Reliable Performance



Intelligent Software BMS

50+ Protection Algorithms for Enhanced Safety and Longer Lifespan



High Compatibility

Self-adaptive Communication with Mainstream Inverters
Max. Discharge Power up to 10kW/16kW@10S



Automatic Parallel Address

Number of Parallel Units:32
Automatic Assign Primary Unit and Secondary Unit

Model	IPL-51314H
Main Parameters	
Battery Type	LiFePO4
Nominal Voltage	51.2V
Nominal Energy	314Ah
Nominal Capacity	16kWh
Operating Voltage Range	43.2V-57.6V
Max. Parallel Number	32
Max. Continuous Charge Current	157A
Peak Charge Current	175A@1S
Max. Continuous Discharge Current	157A
Peak Discharge Current	175A@3S
Recommended Depth of Discharge	90%
Cycle Life of Battery Cell	>6000@25℃, 0.5C/0.5C, 80%DOD, 70%EOL
Communication Port	CAN2.0/RS485
General Parameters	
Dimensions D*W*H	230mm*548mm*840mm
Net Weight	120kg
Operating Temperature/Charge	0℃~+60℃
Operating Temperature/Discharge	-20℃~+60℃
Recommended Operating Temperature	15℃~+35℃
Storage Temperature	0℃~+35℃
Humidity	10%-95%
Altitude	2000m
Ingress Protection	IP20
Cooling Type	Natural Cooling
Shell Material	Metal
LED Display	6 LED (SOC), 2 LED (Run and Alarm)
Certification	IEC62619/UN38.3/MSDS/DGM
Protection	
Circuit Breaker	Yes
Voltage Protection	Yes
Current Protection	Yes
Temperature Protection	Yes
Short Circuit Protection	Yes