High Volage Lithium-Ion Phosphate Battery storage system

Battery Module : OHR-16K



Module	OHR-16K
Basic Parameters	
Capacity(kWh)	16.07
Nominal Voltage(Vdc)	51.2
Nominal Capacity(AH)	314
Voltage Range(Vdc)	46.4~57.6
Depth of Discharge	90%
Dimension(W* D* H,mm)	483*800*234
Design Life	15+ years (25℃)
Cycle Life	> 6000 (25℃)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	122
Operation Temperature	-20~55℃
Storage Temperature	0~35℃
Product Certificate	UN38.3

Main Controller : OHR-HV250H



Module	OHR-HV250H
Basic Parameters	
Related Product	1000V250A
AC Supply	—
System Operation Voltage (Vdc)	0~1000
Operation Current (Max.) (A)	250
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	480*550*178
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	23.2
Operation Life	15+
Operation Temperature	-20~65
Storage Temperature	-40~80

BMS Function

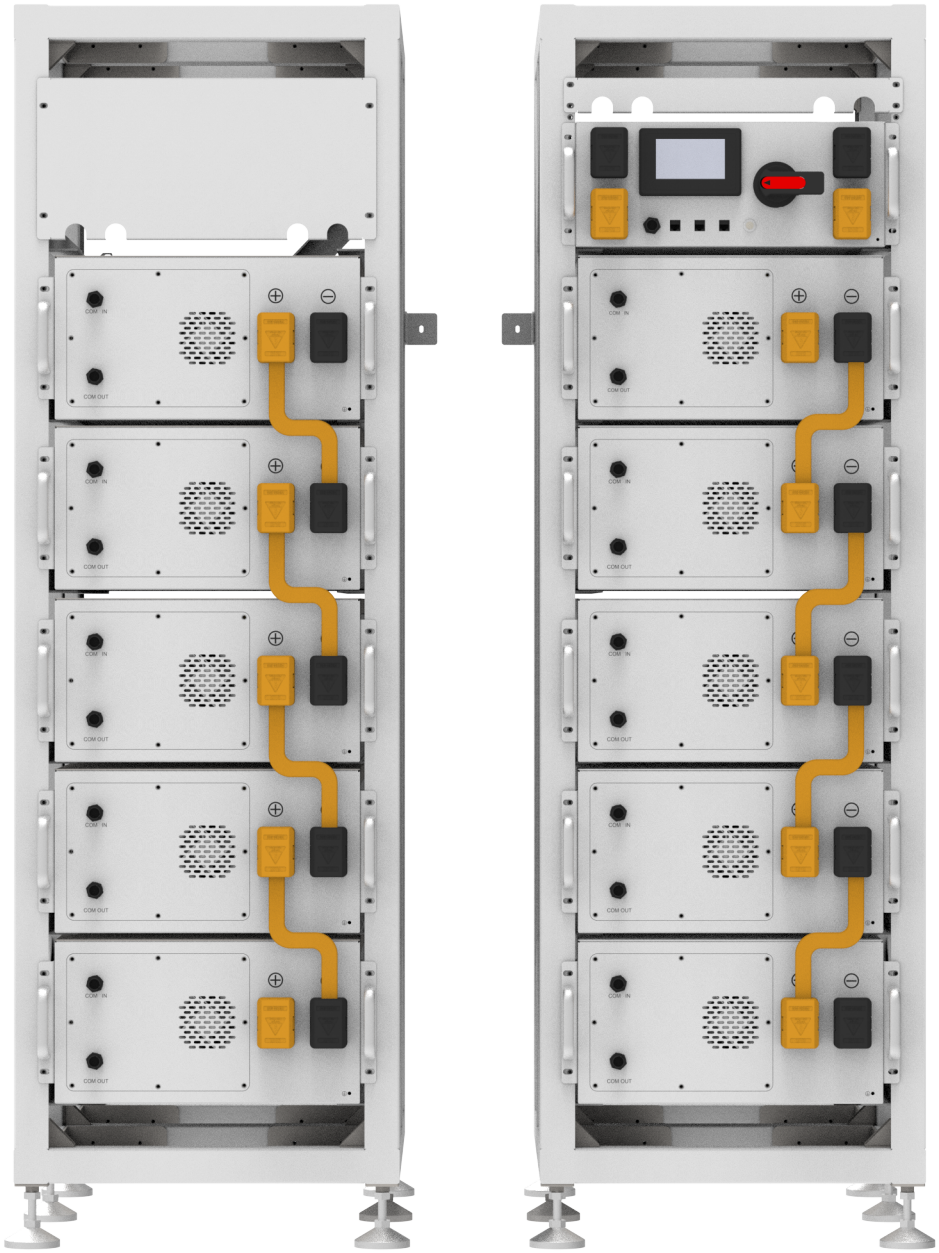
Protection and Alarm

Charge/Discharge End
Charge Over Voltage
Charge/Discharge Over Current
High/Low Temperature
Operation Record
Administrator Monitor: Current, Voltage, Temperature, SOC&SOH.

Management and Monitor

Cells Balance
Intelligent Charge Model
Capacity Retention Calculate
Isolation and Protection
Alarm and Protection

Powercube OHR-314 System Volage < 1000V



Technical Data

Technical specification	48KWH	64KWH	80KWH	96KWH	112KWH	128KWH	144KWH	160KWH	176KWH	192kwh	208KWH	225KWH	241KWH
Installation Mode	Racked												
Battery Type	LifePO4(LFP)												
Module Energy(kWh)	16076												
Module Nominal Voltage(V)	51.2												
Module Capacity(Ah)	314												
System Module	OHR48K-314	OHR64K-314	OHR80K-314	OHR96K-314	OHR112K-314	OHR128K-314	OHR144K-314	OHR160-314	OHR176-314	OHR192K-314	OHR208-314	OHR225K-314	OHR241K-314
Nominal Voltage（V）	DC 153.6 V	DC 204.8 V	DC 256 V	DC 307.2 V	DC 358.4 V	DC 409.6 V	DC 460.8 V	DC 512.0 V	DC 563.2 V	DC 614.4 V	DC 665.6 V	DC 716.8 V	DC 768.0V
Working Voltage（V）	DC139.2V~172.8V	DC185.6V~230.4V	DC232.0V~,288.0V	DC278.4V~345.6V	DC324.8V~403.2V	DC371.2V~460.8V	DC417.6V~518.4V	DC464.0V~576.0V	DC510.4V~633.6V	DC556.8V~691.2V	DC 603.2V~748.8V	DC 649.6V~806.4V	DC 696.0V~864.0V
Nominal Capacity（Ah）	314	314	314	314	314	314	314	314	314	314	314	314	314
Rated Energy（Wh)	48230	64307	80384	96460	112537	128614	144691	160768	176844	192921	208998	225075	241152
Dimension (mm，L±2;W±2;H±5)	547*799*1199	547*799*1463	547*799*1727	1054*799*1199	1054*799*1199	1054*799*1463	1054*799*1463	1054*799*1727	1054*799*1727	1054*799*1991	1054*799*1991	1054*799*2255	1054*799*2255
Weight (Kg)	471.2	603.2	735.2	898.2	1019.2	1167.2	1288.2	1436.2	1557.2	1705.2	1826.2	1974.2	2095.2
Battery Module Qty In Series(Optional)	3	4	5	6	7	8	9	10	11	12	13	14	15
Recommend Charge/Discharge Current(A)	157												
Communication	CAN												
Ingress Protection	IP20												
Altitude	⩽2000m												
Cycle Life	25±2℃，0.5C/0.5C，EOL70%⩾6000												
Monitoring Parameters	System voltage,Current,cell voltage,cell temperature,module temperature												
SOC	Intelligent algorithm												
Working Temperature	0~55℃ Charge -20~55℃Discharge												
Storage Temperture	0-35℃												