

Hope 3.3L-C1

3.3 kWh lithium battery module



Datasheet		Hope 3.3L-C1	
Battery Data			
Nominal Voltage		51.2V	
Normal Capacity		3.3kWh	
Usable Capacity		3kWh	
Operating Voltage		48 - 57.6V	
Rated Charging Current		32A	
Rated Discharging Current		42.5A	
Max. Discharging Power		3kW	
Peak Discharging Power		4.3kW/5s	
Max Charging Power		1.5kW	
General Data			
Dimension (W/D/H)		445/131/400mm	
Weight		29kg	
IP Protection		IP20	
Working Temperature		-10°C ~ +55°C	
Storage Temperature		-20°C ~ +45°C	
Features			
DoD		93%	
Cycle Life		> 3500 (25°C, 60% SOH)	
Parallel Connection		Max. 6packs	
Communication Port		CAN2.0 / RS485	
Warranty		5 Years	
IEC62619, CE, UN38.3			

ARK LV Battery System

2.5 kWh lithium battery module



Datasheet	ARK 2.5L	ARK 5.1L	ARK 7.6L	ARK 10.2L	ARK 12.8L	ARK 15.3L	ARK 17.9L	ARK 20.4L	ARK 23.0L
Battery Module	ARK 2.5L-A1 (2.56kWh, 51.2V, 30kg)								
Number of Modules	1	2	3	4	5	6	7	8	9
Energy Capacity	2.56kWh	5.12kWh	7.68kWh	10.24kWh	12.8kWh	15.35kWh	17.92kWh	20.48kWh	23.04kWh
Dimension (W/D/H)	650/260/170mm	650/260/340mm	650/260/510mm	650/260/680mm	650/260/850mm	650/260/1020mm	650/260/1190mm	650/260/1360mm	650/260/1530mm
Weight	30kg	60kg	90kg	120kg	150kg	180kg	210kg	240kg	270kg
Max Charge/Discharge Current	25A	50A	75A	100A	120A	120A	120A	120A	120A
General									
Battery Type	Cobalt Free Lithium Iron Phosphate (LFP)								
Nominal Voltage	51.2V								
Operating Voltage Range	47.2 - 56.8V								
IP Protection	IP65								
Installation	Wall-mounted or *Floor installation								
Operation Temperature	-10 ~ 45°C								
Features									
DoD	90%								
Cycle Life	> 6000								
BMS Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement								
Communication Port	CAN/RS485								
Warranty	10 Years								
IEC62619(Cell&Pack), CE, CEC, RCM, UN38.3									

*Floor installation requires extra base (W/D/H = 650/260/110 mm)

Shine WiFi-F

Monitoring devices



Datasheet		WiFi-F	
GENERAL DATA			
Dimensions(W/H/D)		79/135/29mm	
Weight		63g	
Manual Language		English, Chinese	
WIRELESS PARAMETERS			
Wireless Type		WiFi	
Wireless Standard		802.11 b/g/n	
Transmit Power		802.11b: +20dBm(Max.); 802.11g: +18dBm(Max.); 802.11n: +15dBm(Max.)	
Receiver Sensitivity		802.11b: -89dBm(Max.); 802.11g: -81dBm(Max.); 802.11n: -71dBm(Max.)	
HARDWARE PARAMETERS			
Data Interface		UART; 9600bps; Ethernet; 100Mbps	
Operating Voltage		5V (+/-15%)	
Operating Current		1A	
Operating Temperature		-20°C ~ +65°C	
Storage Temperature		-40°C ~ +70°C	
Network Type		AP (Access Point); station mode (with soft AP)	
Security Mechanisms		WEP / WPA-PSK / WPA2-PSK	
Encryption		WEP64 / WEP128 / TKIP / AES	
APPLICATION ON PARAMETERS			
Supported Servers		ShineServer	
Inverter Communication		USB A-type	
Sever Communication		WiFi via router (Modbus TCP protocol)	
Supported Routers		Wireless router (Include 3G-router)	
User Configuration Interface		Wireless web server (Internet Browser)	
Max. Communication Range		100m	
Data Transfer Interval		5 minutes	
Default Server URL		server-cn.growatt.com	