

# IC1-SERIES

COMMERCIAL AND INDUSTRIAL ESS  
All-in-one ESS



**30KW**  
Power



**120KWH**  
Energy



**IP54**  
Protection Level



**5000 TIMES**  
Cycle Life



#### Modular Design:

Multiple units can be used in parallel.



#### All-in-one Integration:

PCS, battery pack, air-conditioning, and fire protection are integrated with a small footprint cabinet.



#### Flexible Configuration:

Widely used in "PV+ESS+EV charging", capacity expansion and power backup, and island micro-grid.



#### Security Intelligence:

High-strength outdoor cabinet design, product access to intelligent operation service platform.

# IC1-SERIES

huafon ESS

Model	IC1-30120
Specs	30kW/120kWh
DC Side	
Battery Type	LFP
Cell Capacity	100Ah
Battery Module Connection	2P16S
Battery Module Capacity	10.24kWh
Battery Module Qty.	12
DC Voltage Range	537.6V~691.2Vdc
System Capacity	122.88kWh
C-rate	0.5C
AC Side	
Rated Power	30kW
Rated Voltage	AC380V
Rated Frequency	50Hz/60Hz
Maximum Discharge Power	30kW
Maximum Charge Power	30kW
Isolation Type	Alternative
System Parameter	
Protection Class	IP54
Cooling	Air Conditioner
Noise Level	<68dB (at 1 meter)
Temperature & Humidity Range	-30°C to 50°C / 0~95% (No Condensation)
Overload Capacity	110%@10 min; 120%@1 min
Communication Protocol	Modbus RTU / Modbus TCP
Fire Extinguishing	HFC-227ea
Size (W*D*H)	1450*1100*2100mm
System Weight	2500kg

\* It is suitable for users in factories and parks whose transformer capacity is 500~1000KVA.

Zhejiang Huafon ESS Technology Co., Ltd.

☎ service-ess@huafeng.com    🌐 www.huafon-ess.com

📍 3F, Huafeng International Business Building, 200 Xinye Road, Shangcheng District, Hangzhou, Zhejiang  
Xincheng Industrial Park, Xingcheng Sub-district, Rui'an City, Wenzhou City, Zhejiang Province



INS: huafoness