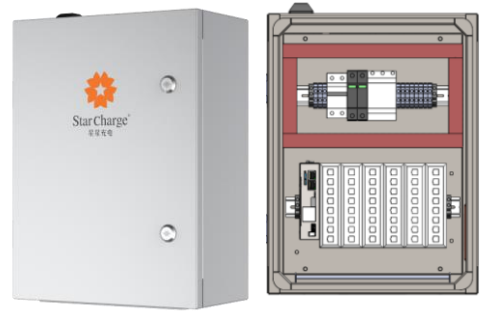ECC is an extensible load management device with intelligent power prediction and control algorithm for a wholesome highly efficient green energy use solution.

Energy Central Controller (IEC Standard)

ECC Box (IEC Standard)

Intelligentize

With intelligent power prediction and control algorithm, to realize smart charging site load management

Multi-function

Photovoltaic, energy storage, charger and power grid 'four-in-one' energy balance, to maximize green energy use efficiency

Safety

Provides perfect power allocation in case of overload for a systematic protection design to ensure charging safety

Note: Pictures are for reference only, please prevail in kind.

Technical Specification	Energy Central Controller
Performance Index	
Operating system	Linux
Data recording	Common real-time data, cloud viewing, 20 years of storage
Log recording	> 10000 pieces
Function	Group orderly charging, energy management and scheduling
Supported Charger Qty. / ECC	36 sets (24 sets by RS485, 12 sets by CAN)
Power Input	
Rated voltage	12 – 24 Vdc (±10%) isolated power supply
Power consumption	15 W Peak
Communication interface	
4G communication	LTE − CAT4
Ethernet	2 channels, RJ-45, 10/100Mbps
RS485	4 channels
CAN	2 channels
Communication protocol	Modbus TCP, Modbus RTU, DL/T645, ProtoBuf
Cloud protocol	Starcharge
Environmental Parameter	
Operating temperature range	-20 ℃ to + 50 ℃
Humidity	0% to 95% RH (no condensation)
Operating altitude	≤2000m
Ingress Protection	IP 20
Mechanical Parameter	
Dimension(WxHxD)	108x137x36 mm
Weight	0.7 kg
Installation	DIN Rail Mounting
Certification and standards	
Standards and compliance	EN 62368-1(LVD), EN IEC 61000-6-1/3 (RED + EMC/Class B) , EN301908-1 (3G&4G), EN 50665 (MPE)
Certification	CE, RED

Technical Specification	ECC Box (Device for ECC installation)
Power Input	
Rated voltage	230 Vac, single phase, 50/60Hz, L+N+PE
Power consumption	20 W (single ECC configuration)
Environmental Parameter	
Operating temperature range	-20 ℃ to + 50 ℃
Ingress Protection	IP 55
Mechanical Parameter	
Dimension(WxHxD)	375x500x220 mm
Weight	15 kg
Installation	Wall mounting / Pole mounting(optional)
Installation capacity	1 ECC and 7 Network Switches for 40 devices connection max.

Note: Pictures are for reference only, please prevail in kind.