

Instruction Manual

Warning Information

Please read the instruction manual carefully before using this product. It's will be damaged to operator and machine if non-standard operation.

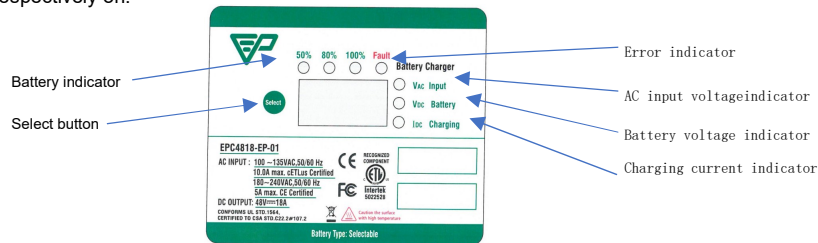
Danger:The socket of input line of charger must with good grounding,involving the danger of elctric shock.And disconnect the AC input cable before disconnecting the battery cable.High pressure of the machine,pls contact professional engineer to check if any questions.

Warning:Please using the battery-matching procedure for charging which ralative same battery,otherwise the battery will not be get the best performance.Keep away from sparks and flammable material and ensure divulge information condition as battery caused with generatesexplosiveandcorrosive gases.

Display&operation instructions

A.Display content description:

50%, 80%, 100%: Indicates the charging staus.When thecorresponding light is on,it means that the corresponding phase has been completed. Error indicator:This indicator is on when with error. Three digital tube and content indicator: Charger can display AC input voltage,battery voltage and charging current.The seven-segment digital display the corresponding content when the three indicators leds are respectively on.



B:Charging operation instructions:

- 1.Machine will self-test after connected to AC. then displayed:software version and curve number.
 - 2.Be cycled showed AC input voltage,battery voltage and current when charging. And battery capacity indicators can be flashed.
 - 3.Battery capacity indicators will lights up all after charging completed.Digital display shows the capacity charged in this charging cycle.
- The unit is:AH.

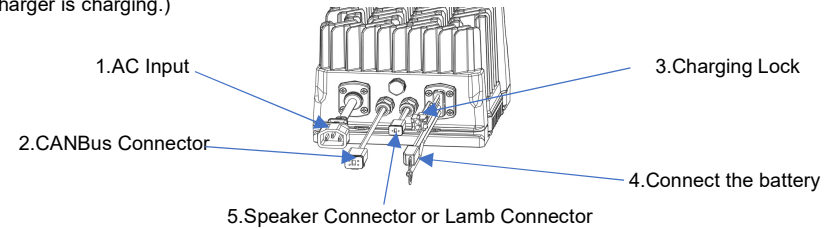
C.Curve switching:

- 1.Press"select",view the current curve number during working.
- 2.Press "select" with 5 seconds,current curve number will flashing. Press again lightly to switch the curve.When confirmed the required curve,press"select" with 5 second again.And display will stopped flashed,curve changed by successfully.
- 3.No need to restart the machine when update curve every time.Machine will restart after 5 seconds and new curve is star to working when change completed.

D.Wiring instructions:

- 1.Input of AC wire is three wires with metal sleeved on the head of the line. need reliable grounding when plugged.

- 2.Red-black line is the connection cable of the battery during output of DC.
TYCO 1-480699-0 is interlock connector.(it is short status when no AC input; it is open status when charger is charging.)



Error and Method of exclusion

Code	Reason	Solution
E01	Error with battery connection	Check the battery connected is correctly
E02	Electric supply abnormal(voltage or frequency exceed operation range)	Check the AC supply whether within the range of voltage 90V-240V
E03	Temperature of battery abnormal	Check the tight status of battery
E04	High temperature of inner-parts	Machine should keep in ventilation place and without any foreign matter of the surface
E05	Error with battery connection. The battery voltage exceeds the limit	Check the battery connected is correctly
E06	NO Communication Access	Please check whether the communication line of lithium battery at charger port is connected properly.

Specifications

AC Input	
Voltage range	100V-240V
Frequency	45-60Hz
DC output	
Voltage-nom	48V
Current-max	18A(MAX)
Power Factor (Full load)	>0.98
Battery reversed	outputless
Short circuit	Automatic protection, auto reset
Anti-AC 420V voltage surge	YES
Battery Repair Mode	YES
size	200mm*180mm*135mm
weight	4.7KG
safety regulations	CB,CE,ETL
Operating temperature	-30℃~+50℃
Storage temperature	-40℃~+70℃
Cooling mode	Natural cooling,IP66

Battery and code chart

Code	battery specifications
1	Trojan/Common Flood (150-200AH)
2	Common AGM (150-200AH)
3	Lithium battery (29V MAX,NO communication)
4	quimo test(200AH)
5	Leoch DT (200AH)
6	TN DF (TNE, EVF) (175AH)
7	CHIWEE 6-EVF-200 (200AH)
8	Leoch EV (200AH)
9	Trojan AGM (200AH)
10	磷酸铁锂电池(16串) (27AH)
11	TROJAN T-875 (170AH)
12	磷酸铁锂电池(16串)105AH/135AH
13	Trojan 220AH AGM 220AH
14	火炬 6-GFM-65 55AH
15	磷酸铁锂电池(15串) 100AH
16	磷酸铁锂电池(16串)105AH
c01	Universal FLOOD repair mode
c02	Universal AGM repair mode
c03	Power mode
b00	Lithium batteries with communication(need communication)