

1100W/1500W Fully Sealed Charger

YK-CDQ Series

For Flooded Lead-Acid Batteries



With fully sealed structure and ventilated cooling design, YK-CDQ series battery chargers are conceived for variable battery types:

1. Lead-Acid battery
2. Sealed (GEL) Lead-Acid battery
3. Lithium battery
4. Nickel-Hydrogen battery
5. Nickel-Cadmium battery
6. Etc.

Targeting the battery charger aftersales market of electric vehicles powered by Trojan flooded batteries, YK-CDQ has developed dedicated models, covering most existing voltage and options:

Model	Battery Voltage	Maximum Output Voltage	Maximum output current
2415	24V	33V	15A
2420	24V	33V	20A
2425	24V	33V	25A
2430	24V	33V	30A
3613	36V	51V	13A
3615	36V	51V	15A
3618	36V	51V	18A
3620	36V	51V	20A
3625	36V	51V	25A
3630	36V	51V	30A
4810	48V	68V	10A
4813	48V	68V	13A
4815	48V	68V	15A
4818	48V	68V	18A
4820	48V	68V	20A
4825	48V	68V	25A
6008	60V	85V	8A
6010	60V	85V	10A
6013	60V	85V	13A
6015	60V	85V	15A
6020	60V	85V	20A
7208	72V	102V	8A
7210	72V	102V	10A
7212	72V	102V	12A
7215	72V	102V	15A
8408	84V	108V	8A
8410	84V	108V	10A
8412	84V	108V	12A
9608	96V	115V	8A
9610	96V	115V	10A

* Other voltage & current options are available

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Technical features:

- AC input voltage range: 85-265VAC (85-140VAC / 180-240VAC), 45-65Hz
- Maximum AC input current: 9.8A @100VAC; 4.5A @220VAC
- Power factor: ≥ 0.99
- Overall machine efficiency: $\geq 87\%$ @100VAC; $\geq 92.0\%$ @220VAC
- Noise: ≤ 45 dB
- Ingress protection: IP67

Product features:

1. Safety
 - a) New technologies PFC and LLC
 - b) Hardware protection
 - c) Voltage and current self-test protection
 - d) Constantly optimized charging strategy
2. Reliability
 - a) Integrated die-casting charger body
 - b) Full isolating potting
 - c) Enforced heat dissipating
3. Function
 - a) Three color LED charging status indicator
 - b) Floating charger for longer life span
Floating charge is a kind of charging process applied to the battery to maintain the battery capacity at or near the full charge level. Floating charge process is very useful to the battery for prolonging the circle counts of recharge and eventually expanding the life span.
4. Size, weight and temperature
 - a) Size: L223 x W128 x H117.4 (unit: mm)
 - b) Net weight: 3.1-3.4 kg, variable with different DC power charging connector
 - c) Operating temperature: -30°C - 55°C
 - d) Storage temperature: -40°C - 105°C
5. Protection
 - a) Overheat protection
 - i. When the internal temperature of the charger exceeds the setting, the charging current will be automatically lowered to a safety level;
 - ii. When the ambient temperature exceeds 55°C , the charger will be automatically powered off, and charging process will be resumed when the temperature is restored.
 - b) Reversed polarity protection
 - c) Auto-off when the battery is disconnected
 - d) Output short-circuit protection
 - e) Auto-off when the battery is fully charged

