

KDY Solar Controller



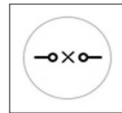
WIFI APP



Over Voltage Protection



Overload Protection



Short-Circuit Protection



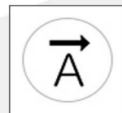
three-stage charging



Over Temperature Protection



Overcharge Protection



Over Current Protection



Parameter

| PRODUCT | MODEL | VOLTAGE | CURRENT | SIZE | N.W | MAX PV INPUT | RATED CHARGING POWER | CERTIFICATION | SUPPORT BATTERY |
|----------------------|--------|-------------|---------|--------------|--------|--------------|----------------------------------|---------------|---|
| PWM SOLAR CONTROLLER | KDY10A | 12V/24V/48V | 10A | 115*145*57mm | 0.34Kg | 100V | 120W/12V 240W/24V 480W/48V | CE,ROHS | Lead acid Battery LiFePo4 Battery Ternary Lithium Battery |
| | KDY20A | 12V/24V/48V | 20A | 115*145*57mm | 0.34Kg | 100V | 240W/12V 480W/24V 960W/48V | CE,ROHS | |

Simple and stylish

Fine detail and thought, Convenient operation



Various circuit protection

Various circuit protection, safer and controllable



Reverse connection
Protection



Short circuit
Protection



Battery over
Discharge protection



Current limiting
Power protection



TVS high presure
Surge protection



Battery overvoltage
Protection



Night charge
Protection



Equipment overheat
Protection



Battery overheat
Protection

Product parameter

| | | | | | | |
|---|--|--------------------------------|------------------------------------|--------------------------------|-------------------------------------|--------------------------------|
| Model | KDY10 | KDY20 | KDY30 | KDY40 | KDY50 | KDY60 |
| Rated charging current | 10A | 20A | 30A | 40A | 50A | 60A |
| Rated discharge current | 10A | 20A | 30A | 40A | 50A | 60A |
| MAX PV Volt | 12V system <25V/24V system <50V/48V system <100V | | | | | |
| The USB output | 5V2AMAX | | | | | |
| Stand-by Current | 12V < 80ma, 24V < 45ma, 48V < 30ma | | 12V < 80ma, 24V < 45ma, 48V < 30ma | | 12V < 150ma, 24V < 80ma, 48V < 50ma | |
| Dimensions | 115*145*57mm | | 135*170*70mm | | 155*197*86mm | |
| Work Temperature | -20°C~+50° C | | | | | |
| Lead-acid battery /BAT/ B1 | | | | | | |
| System Volt | 12V system | | 24Vsystem | | 48Vsystem | |
| Float charging Volt | Default 14.4V | Adjustable range 13-15V | Default 28.8V | Adjustable range 26-30V | Default 57.6V | Adjustable range 52-60V |
| Discharge cut-off Volt | Default 10.7V | Adjustable range 9.5-11V | Default 21.4V | Adjustable range 19-22V | Default 42.8V | Adjustable range 38-44V |
| Discharge recovery Volt | Default 12.6V | Adjustable range 11.5-13V | Default 25.2V | Adjustable range 23-26V | Default 50.4V | Adjustable range 46-52V |
| Ternary lithium battery /LIT1/ B2 | | | | | | |
| System Volt | 12V system 3 strings | | 24V system 7 strings | | 48V system 13 strings | |
| Float charging Volt | Default 12.6V | Unadjustable | Default 29.4V | Unadjustable | Default 54.6V | Unadjustable |
| Discharge cut-off Volt | Default 9V | Adjustable range 9-10.5V | Default 21V | Adjustable range 21-24.5V | Default 39V | Adjustable range 39-45.4V |
| Discharge recovery Volt | Default 10.5V | Adjustable range 10.5-11.7V | Default 24.5V | Adjustable range 24.5-27.3V | Default 45.4V | Adjustable range 45.5-50.7V |
| Lithium iron phosphate battery /LIT2/ B3 | | | | | | |
| System Volt | 12V system 4 strings | | 24V system 8 strings | | 48V system 16 strings | |
| Float charging Volt | Default 14.6V | Unadjustable | Default 29.2V | Unadjustable | Default 58.4V | Unadjustable |
| Discharge cut-off Volt | Default 11.8V | Adjustable range 11.8-12.5V | Default 23.6V | Adjustable range 23.6-25V | Default 47.2V | Adjustable range 47.2-50V |
| Discharge recovery Volt | Default 12.5V | Adjustable range 12.5-13.5V | Default 25V | Adjustable range 25-27V | Default 50V | Adjustable range 50-54V |