

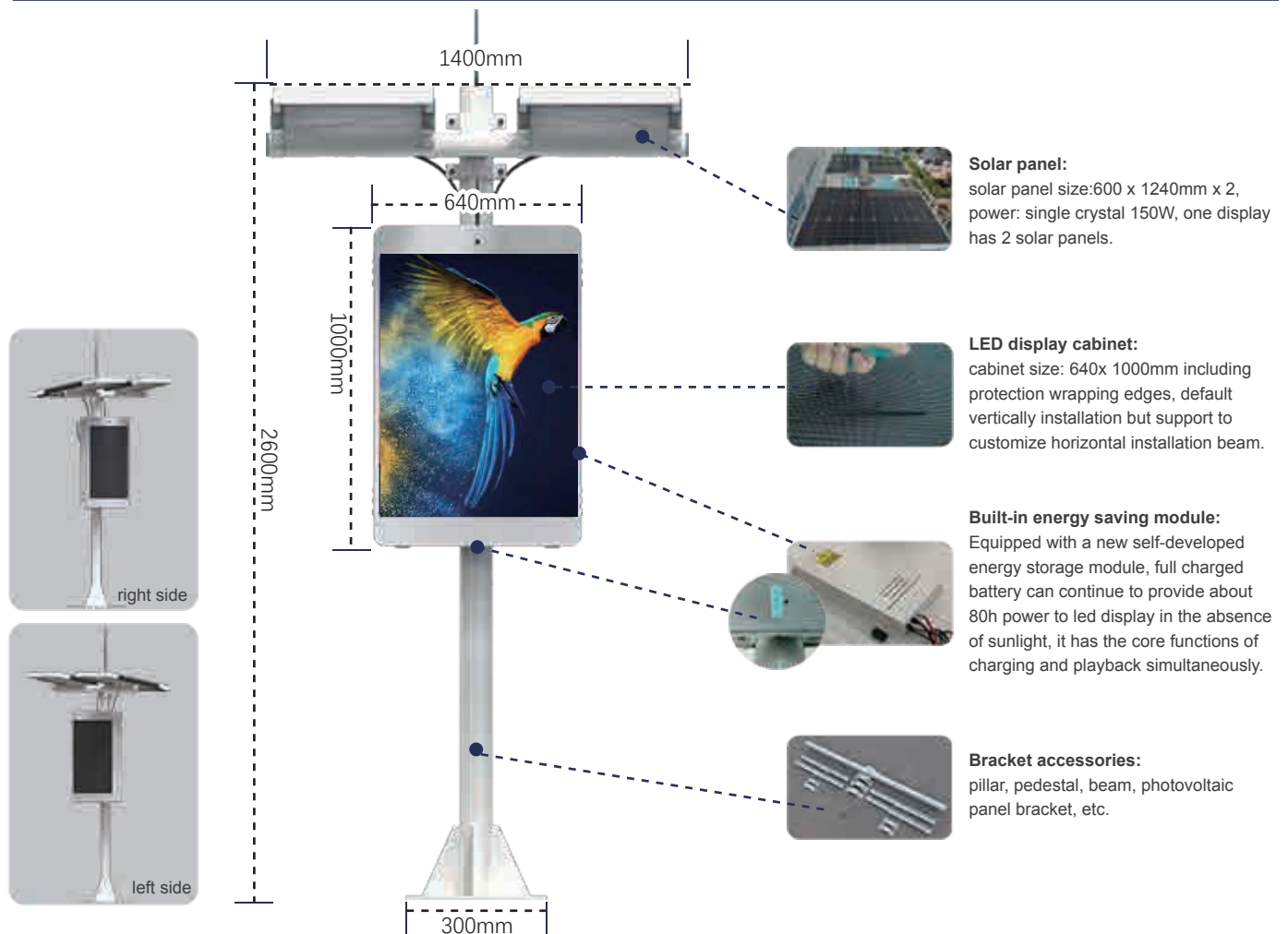


K SOLAR

Series

PV Energy Storage LED Display

K-SOLAR PV Energy Storage LED Display



Application Scenarios

Municipal roads, high-way entrance, ad network, billboard signage, meteorology and hydrology, square park, stations and piers, greenway construction site, community school, reservoir river, villages and unit base, factory areas, scenic spots, etc.

Product Cases



Product advantages and features

Solar PV & energy storage power supply, no grid access, energy saving, environmental protection & simple installation.



Achieve free electricity usage



Automatic Brightness Adjustment



High Refresh Rate > 3840Hz



Eliminate Power Access Difficulties & Reduce Wiring Costs



Automatic Switching Between Solar Power & Mains Electricity



Battery Level Indicator, Ultra-long Playback Duration



Ultra-wide Viewing Angle H/V 140°



High Gray Scale 14-16 bits



Cluster Cloud Control, 4G/Tablet Wireless, Multimedia Interaction



Energy Saving: Common Cathode Small Pixel Pitch, 50% Lower Power Consumption



Easy Installation & Front Maintenance



Synchronized Audio & Video Output

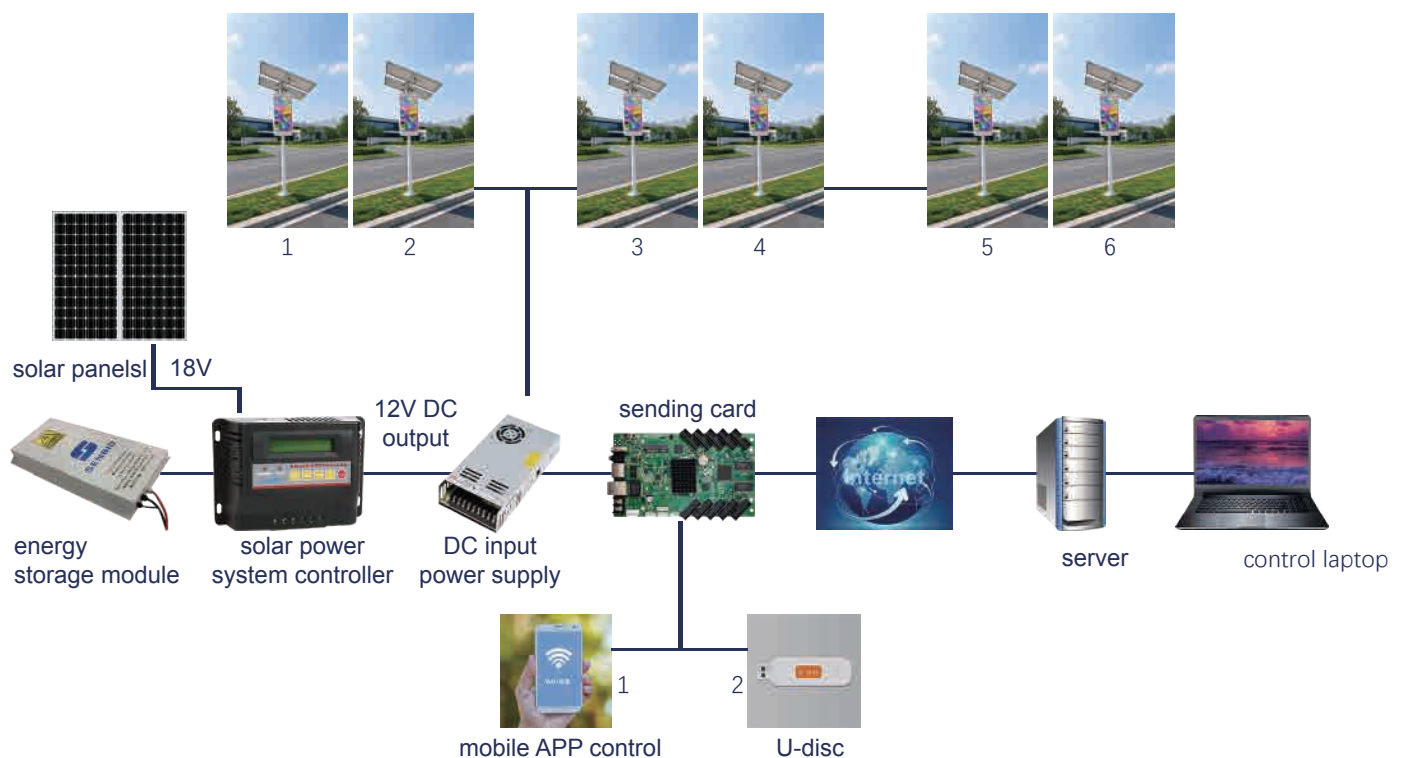


IP65 Protection Rating



High Definition Display

Photovoltaic Display System Schematic





K-Solar Outdoor PV Energy Storage LED Display Parameters

pixel pitch	3.84mm-3.84mm
pixel density (dot/m ²)	67816
Led lamps	SMD1921 high brightness common cathode led lamps
module size (mm)	200*200mm
module resolution (pixels)	52*52
Entire display size (mm)	640*120*1000mm
Display size (mm)	600*120*800mm
Service method	Front service, modular installation
Scan mode	13 scan
Refresh rate	≥3840hz
Largest brightness	6000-6500 cd/m ²
Synchronization function	Synchronize on-site video and voice announcements via 4G (optional)
average power consumption	50-80w/pcs
Grey level	65536 (15bit)
Power supply working voltage	Input DC 12V 150W (output DC 3.8v+2.8v)
PCB thickness	4 layers private mode pcb with 1.6mm thickness
connector	copper gilding
IP level	Screen IP65, cabinet IP54
Grey scale	256 degrees
mounting space size (mm)	1400*1240*2600mm
best view distance	3m - 100m
NW	> 50kg/m ²
Installation method	Pillar, hanging, embedded embedded
storage environment	temperature: -25℃~+70℃; humidity: 15%~90% RH.
Control method	4g, wifi, u disk and cloud cluster control, support to set automatically switch on/off time
External equipment	Weather, wind speed, temperature and humidity, light sensor, PM2.5, soil composition and other information collection devices (optional)
loudspeaker	The display has builtin loudspeaker and support common audio format
Cooling system	Builtin thermostatic fan (constant temperature index: 1-25°1500 RPM, 25-35°3000 RPM, 35-45°4000 RPM, >45° 5000 RPM)

PV Energy Storage Supporting Parameter

Solar Panel Bracket	1 pcs including screws and screw driver	solar panel material	1pcs 1-to-2 waterproof power cable with aviation plugs
Rated Voltage	12.8v	largest duration working	fully charged battery can work about 80h in rainy days
Rated C apacity	100Ah	recharging cycle file	≥3000times
working voltage rage	10-14.6V	battery weight	about20kg
Charging Time	about 8-12h	power remain indication	external intelligent power indication window
city electricity backup	220V AC convert to 12V DC (optional configuration)	cooling method	entire display use thermostatic fan and natural cooling
solar panel size (mm)	600*1240mm	altitude	≥4000m
solar panel power	Single crystal 18V-150W	max charge capacity	1280wh
solar panel quantity	2pcs	standard discharge current	45A

Parameters subject to update. Refer to actual product & technical documents.