



# AdPS

Advanced Power Systems

## Mini-J


4,5 kVA & 6 kVA

Redundancy On-Line UPS

**Features:**

- Simple Parallel Installation
- Full-time Digital Signal Processor Control
- Frequency Converter Operation Mode
- Smart ECO Mode
- LCD Mimic Panel
- Power Range and Runtime Scalability
- Maintenance Bypass Switch Embedded
- Optional Galvanic Isolation Transformer
- Optional Hot Swappable Battery



  
*...principle safety*

## Mini-J

Model	Mini-J 4500	Mini-J 6000
Capacity	4050 W	5400 W
Phase	Single, Line + Neutral + Ground	
<b>Input</b>		
Voltage	160 ~ 280 Vac	
Frequency	45 ~ 65 Hz	
Power Factor	Up to 0.99 at Linear Load	
<b>Output</b>		
Voltage	200 / 208 / 220 / 230 / 240 Vac Selectable (208 / 120 Vac optional)	
Frequency (Battery Mode)	±1Hz or ±3Hz (Selectable)	
Current Crest Ratio	3:1	
Harmonic Distortion	< 3% at Linear Load	
Output Waveform	Pure sine wave	
Transfer Time (AC to DC)	0 ms	
Efficiency	Up to 90 % (Line Mode)	
DC Start	Yes	
<b>Battery</b>		
Number of batteries	20 pcs	
Type	Sealed Lead Acid Maintenance Free	
Capacity	12 V / 7 AH	
Rated Battery Voltage	240 Vdc	
Recharge Time + 90%	5 hours	
<b>Display</b>		
Status On LED + LCD	Line Mode / Backup Mode / ECO Mode / Bypass Supply / Battery Low / Battery Fault / Overload / Transferring with interruption / UPS Fault	
LCD	Input Voltage / Input Frequency / Output Voltage / Output Frequency / Load Percentage / Battery Voltage / Temperature	
Self-Diagnostics	Upon Power-on / Front Panel Setting & Software Control / 24-hour routine checking	
<b>Alarms</b>		
Audible and Visual	Line Failure / Battery Low / Transfer to Bypass, System Fault Conditions	
<b>Protection</b>		
Overload Capacity	Inverter Supply: 105%~150% for 160 seconds ~ 2 cycles before switching bypass. Bypass Supply: 105%~200% for 500 seconds ~8 cycles before stopping supply load.	
Short Circuit	Output Breaker / Electronic Circuit	
EPO	Output shutdown immediately	
Over Temperature	Normal Mode: Transfer to Bypass Mode Battery Mode: UPS shuts down immediately	
<b>Physical</b>		
W*H*D (mm/inch)	290 x 748 x 645 / 11.4x29.5 x 25.4	
Weight (kg/lbs)	w/o transformer: 86 / 190 with transformer: 120 / 264	
<b>Environmental</b>		
Operating Temperature	0 ~ 40° C / 32 ~ 104° F	
Noise Level (1m front)	< 50 dBA	
Altitude (Battery mode)	2000 m / 6500 ft without de-rating	
Humidity	20 % ~ 90 % RH (Without condensation)	
<b>Interface</b>		
Interface Type	Standard RS232 Interface	
Communication Slots	2nd RS232, USB, RS485, Relay Contact, SNMP/WEB Card, etc.	
Compatible platforms	Microsoft Windows series, Linux, Mac, etc.	
<b>Standard and Certifications</b>		
Safety	EN62040-1-1, UL1778	
EMC	EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A	
Markings	CE, cUL, UL ***	

## Battery Bank

UPS model	Code	Bat. Type	Max. Quantities	Dimensions (HxWxD, mm/inch)
Mini-J 4500 and 6000	T40JXX07	7AH	40	290 x 748 x 631 / 11.4 x 29.4 x 24.8
	T60JXX07		60	

\*\*\* Depending on the model and voltage, Please contact AdPoS for more information.