



THE **P**OWER  
TO KEEP YOU **GOING**



## TORCH T SERIES G2

1K/2K/3K



### KEY FEATURES

- True double-conversion design to deal with harsh mains condition
- High output power factor (0.9)
- Ideal for high-end equipment which are sensitive to power quality
- Wide input voltage range ( 100 VAC-300 VAC)
- Supports energy saving ECO mode
- Intelligent communication slot enables remote monitoring
- Precise output voltage regulation



**SINEWAVE OUTPUT**



**BUILT-IN BATTERIES**



**LCD DISPLAY**

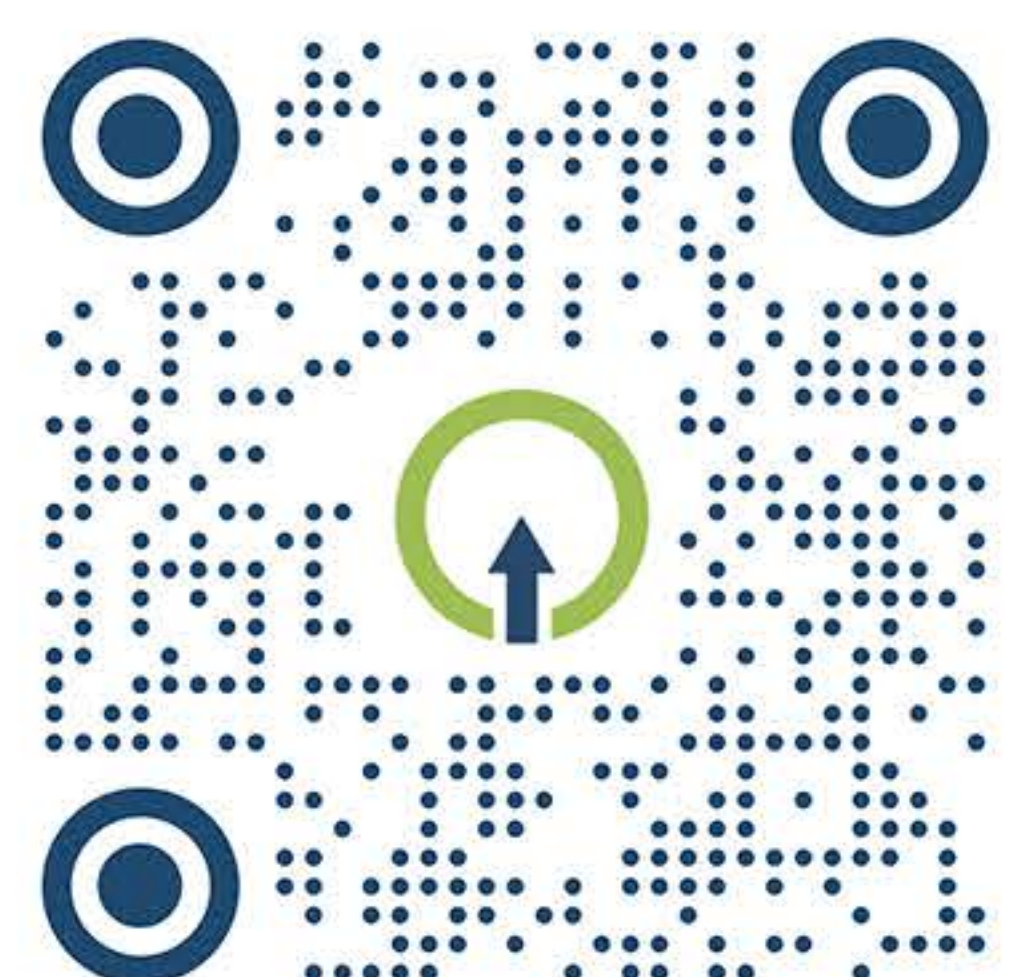
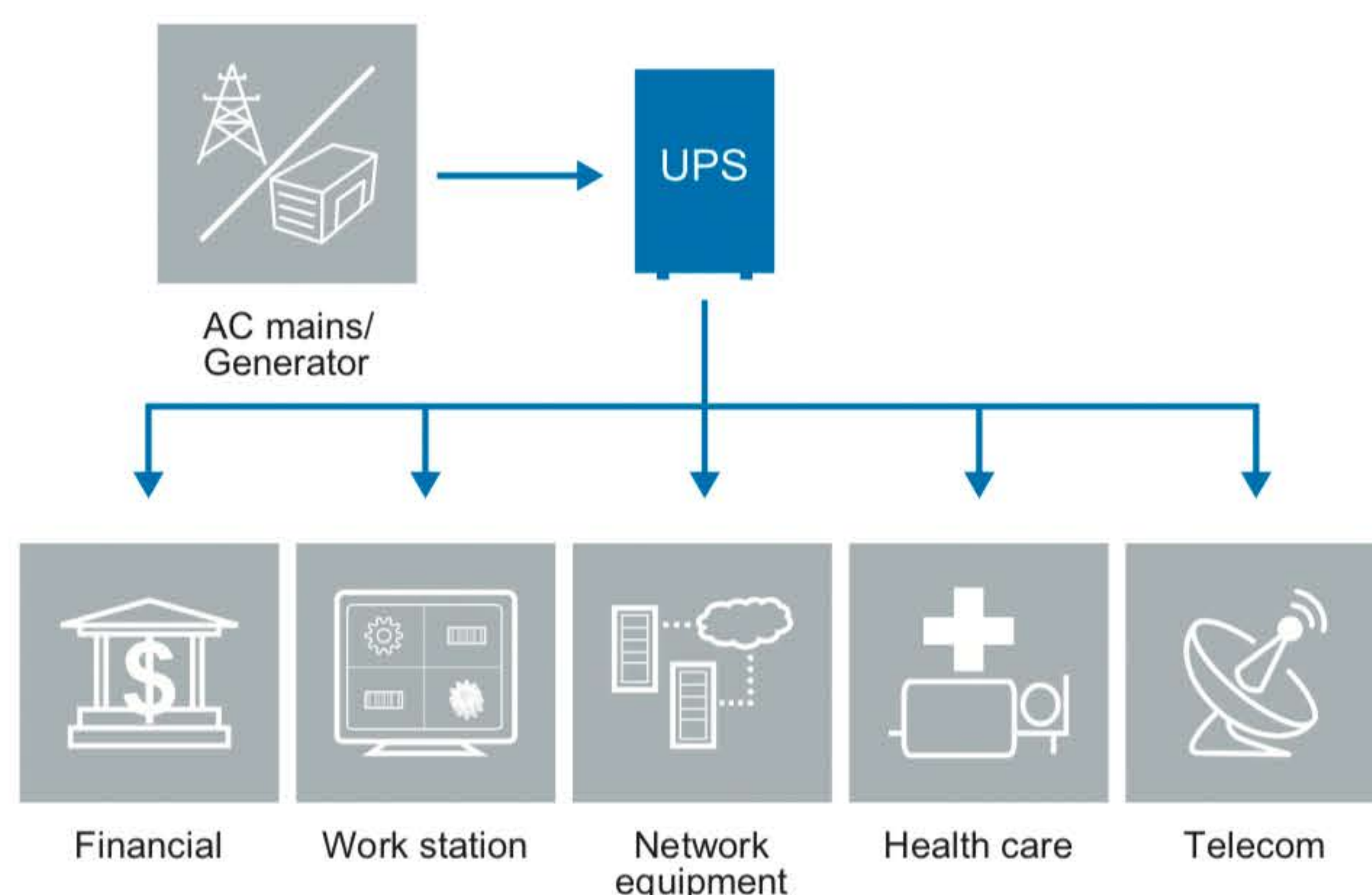


**BACKUP TIME**



**EFFICIENCY (ECO MODE)**

### TYPICAL APPLICATION





SPECIFICATIONS



Model		TORCH-1K		TORCH-2K		TORCH-3K	
Capacity		1kVA/900W		2kVA/1800W		3kVA/2700W	
Input	Input Voltage Range	100 VAC- 300VAC					
	Frequency Range	45~55Hz/54~66Hz					
	Input Wiring	Single Phase with Ground					
	Current Distortion (THDi)						
Output	Output Power Factor	0.9					
	Nominal Output Voltage	220/230/240AC					
	Voltage Regulation	220/230/240AC					
	Frequency Range ( Battery Mode )	± 1%					
	Current Crest Ratio	50/60 ± 0.05 Hz					
	Voltage Distortion (THDv)	<2%@ Linear Load, <6% @ Non-Linear Load					
	Output Waveform	Pure Sine Wave					
	Parallel Operation	N/A					
Efficiency	Inverter Mode	>89%		>91%		>91%	
	Battery Mode						
	ECO Mode	>97.5%		>98%		>91%	
Battery	Battery Type	12V/9Ah*2		12V/9Ah*4		12V/9Ah*6	
	Number of Internal Battery	2		4		6	
	DC Voltage	24V <sub>DC</sub>		48V <sub>DC</sub>		72V <sub>DC</sub>	
	Backup Time (full load)	3.7 mins		3.8 mins		3.9 mins	
	Backup Time (half load)	10.5 mins		11 mins		11.7 mins	
	Recharge Time (to 90%)	4 hours		4 hours		4 hours	
	Charging Current	1.5A		1.5A		1.5A	
Transfer time	Battery Mode ↔ Inverter Mode	0ms					
	Inverter Mode ↔ Bypass Mode	0ms					
	ECO Mode ↔ Battery Mode	4ms					
Display		LCD					
Audible alarm		Yes					
Dimension	WxHxD	144*228*356		190*327*399		190*327*399	
Environment	Operating Temperature	0-40C					
	Noise Level	<49dB @ full load		<44dB @ full load		<49dB @ full load	
Interface	RS232/USB	Optional					
	External Slot	Yes					
	Emergency Power Off	Yes					

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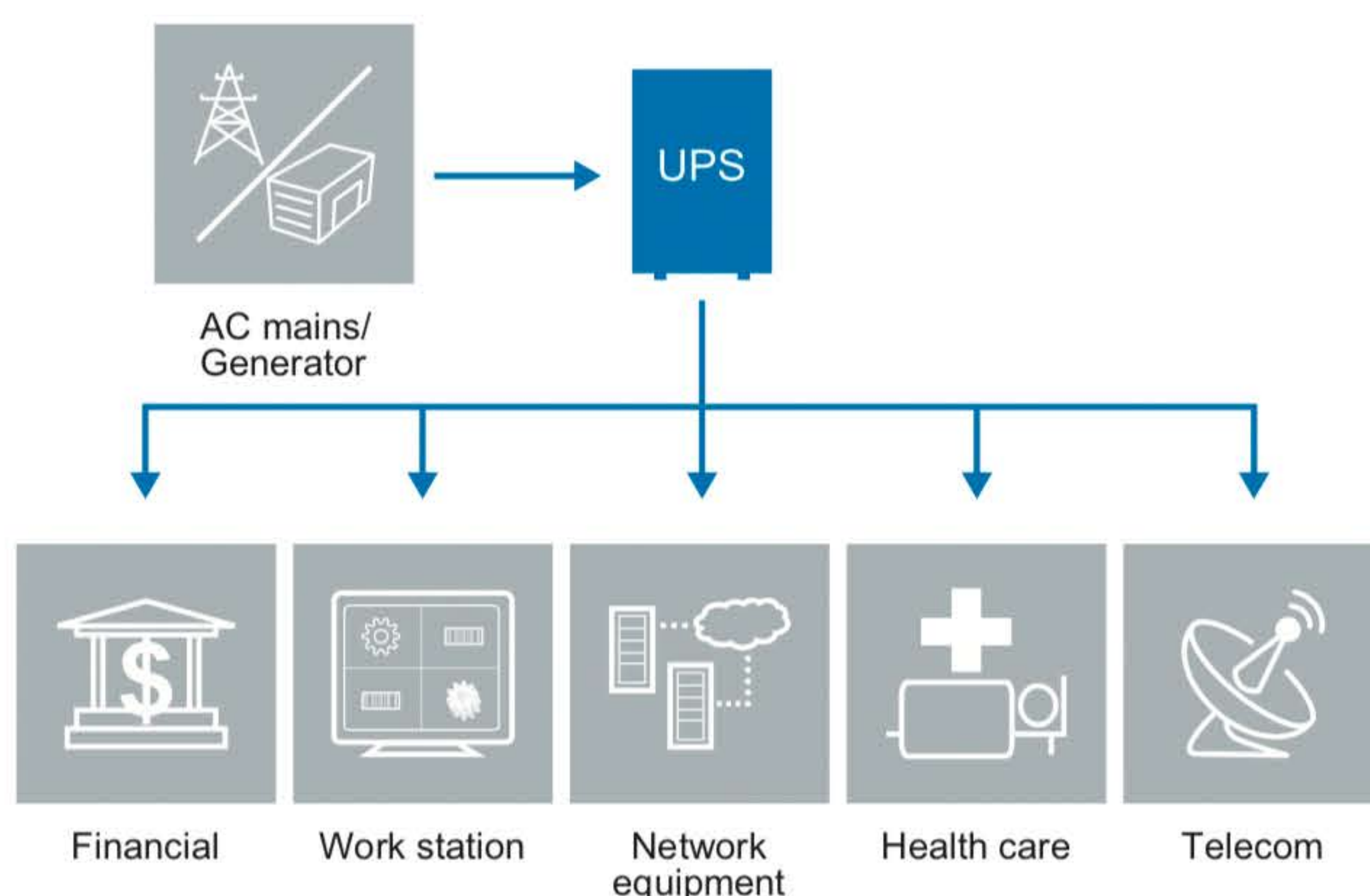
6K/10K

### KEY FEATURES

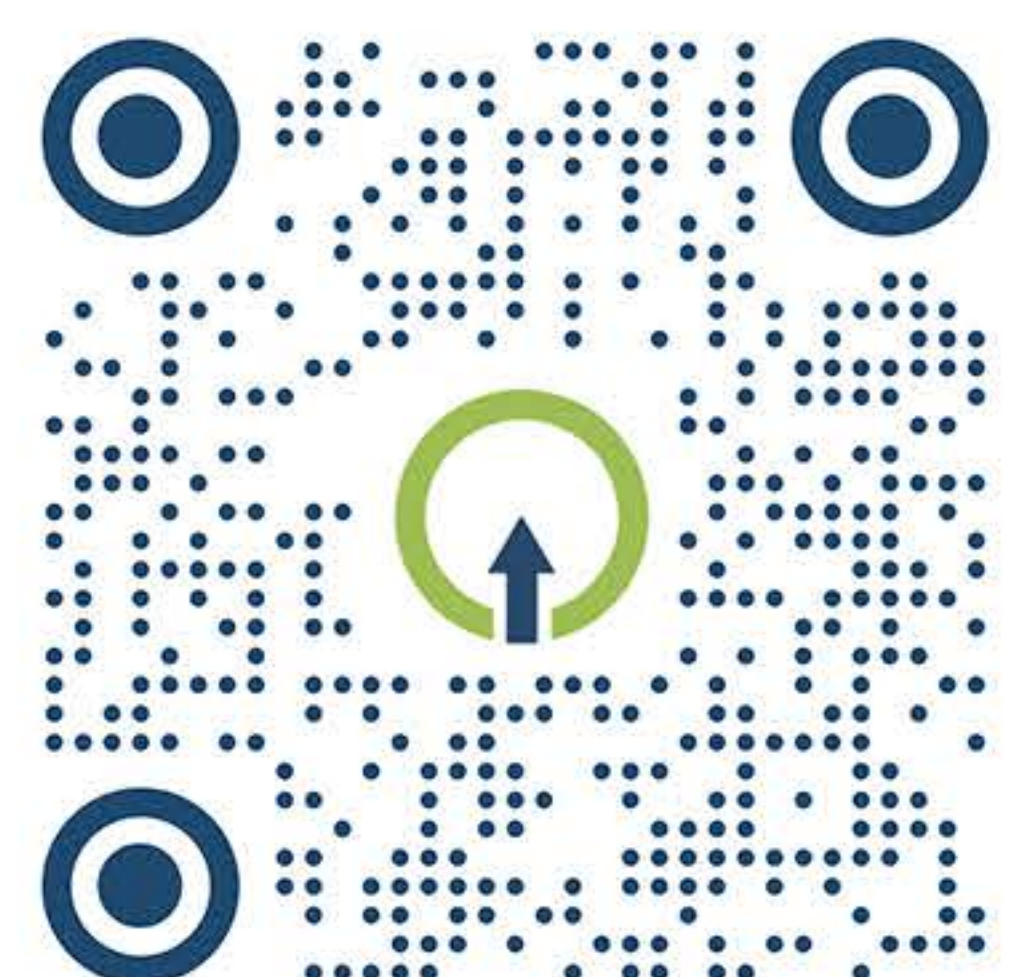
- Output power factor 1
- Wide input voltage range 110~276V with full load
- No power derating in full operating temperature range
- Inverter mode efficiency 95%
- Configurable battery voltage from 192~240V without power derating
- Input THDI <3%
- Output THDV <5%
- 3 hours recharging to 90% battery capacity for internal battery

-  **SINEWAVE OUTPUT**
-  **BUILT-IN BATTERIES**
-  **LCD DISPLAY**
-  **BACKUP TIME**
-  **EFFICIENCY (ECO MODE)**

### TYPICAL APPLICATION



- Charger current is adjustable from 0 to 4A through LCD
- Maintenance bypass switch and parallel options are offered





SPECIFICATIONS



Model		TORCH-6K		TORCH-10K	
Capacity		6000VA/6000W		10000VA/10000W	
Input	Input Voltage Range	110~276V <sub>AC</sub>			
	Frequency Range	40-70Hz			
	Input Wiring	Single phase with ground			
	Current Distortion (THDi)	<3% @ full load			
Output	Output Power Factor	1			
	Nominal Output Voltage	220/230/240V <sub>AC</sub>			
	Voltage Regulation	± 1 %			
	Frequency Range ( Battery Mode )	50/60 ± 0.05 Hz			
	Current Crest Ratio	3:1			
	Voltage Distortion (THDv)	<1% @ Linear Load, <5% @ Non-Linear Load			
	Output Waveform	Pure Sine Wave			
	Parallel Operation	Up to 3 units			
Efficiency	Inverter Mode	95%			
	Battery Mode	92%			
	ECO Mode	98%			
Battery	Battery Type	12V/9Ah		12V/9Ah	
	Number of Internal Battery	20		20	
	Rated Battery Voltage	192V <sub>DC</sub> (192~240V <sub>DC</sub> configurable)			
	Backup Time (full load)	7.5 mins		3.7 mins	
	Backup Time (half load)	19.4 mins		9.7 mins	
	Recharge Time (to 90%)	3 hours		3 hours	
	Charging Current	1.4A (0~4A adjustable)		2A (0~4A adjustable)	
Transfer time	Battery Mode ↔ Inverter Mode	0ms			
	Inverter Mode ↔ Bypass Mode	0ms			
	ECO Mode ↔ Battery Mode	10ms			
Display		LCD			
Audible alarm		Yes			
Dimension	WxHxD	220*589*452mm		220*589*452mm	
Environment	Operating Temperature	0-40° C			
	Noise Level	<45dB @ typical load		<50dB @ typical load	
Interface	RS232/USB	Yes			
	External Slot	Yes			
	Emergency Power Off	Yes			

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