



## BATTERY LESS JUMP STARTERS



DSR108



DSR109

### FEATURES:

- **No** battery inside so no need to recharge! 100% maintenance free, start ready even after years of storage.
- Charge with residue of the battery, via vehicle's 12v DC port or USB
- Long life time:  $\pm 10000$  cycles without power loss !
- No power loss in extreme weather conditions like a lead acid or lithium jump starter
- Easy to use: connect, charge ultra caps and start!
- For gasoline and diesel engines
- "Override" function to start without any battery mounted
- "Glow" function to pre-heat diesel engine glow plugs in cold weather
- Short circuit and reverse polarity protection
- Compact
- 2 years warranty

	DSR108	DSR109
VOLTAGE:	12V	12V
STARTING CURRENT:	450A	800A
RECHARGE TIME FROM BATTERY:	90 SEC	150 SEC
RECHARGE TIME FROM 12V SOCKET:	200 SEC	400 SEC
RECHARGE TIME FROM USB:	20-40 MIN	40-60 MIN
WORKING TEMPERATURE:	-40°C ~ +65°C	-40°C ~ +65°C
WEIGHT	1,50KG	2KG