



# START PAC

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[www.STARTPAC.com](http://www.STARTPAC.com)

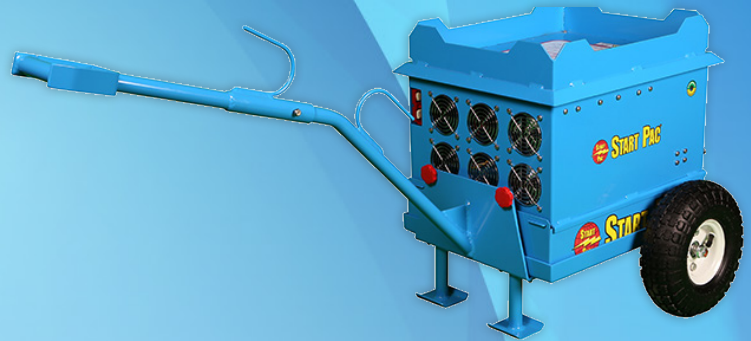


## Model Li3328QC-105 amp

- Patented

### DESCRIPTION

Introducing Model Li3328QC-105, an advanced patented ground power unit (GPU) produced by Start Pac. The patented Quick Change design allows for 10-second battery changes in the field without tools, training, or downtime. These GPUs are designed for ground use in performing engine starting and maintenance functions for voltage sensitive aircraft. The Li3328QC-105 has a large maintenance free safe and proven lithium ion battery with a 62AH capacity for engine starting as well as a 105-amp power supply for powering aircraft systems. The 105 amp power supply provides 28.5V clean unlimited continuous no duty cycle power when connected to 220 Volt AC. The depleted batteries of this GPU can be recharged in a matter of hours with the built-in battery chargers. This unit should always remain plugged in when not in operation to gain the maximum life of the battery bank. Leaving the unit plugged in prevents the Low Voltage System from being triggered so that the chargers maintain 100% battery charge without ever over charging the batteries..



### SPECIFICATIONS

#### Batteries

- 62 Amp Hours at 10 hour rate
- 28 Volt DC
- Sealed cells non-toxic safe lithium chemistry
- 3200 Peak Amps
- Patented Quick Change design
- Low Voltage Protection System

#### Power supply/charger

- Multi-unit 105 Amp DC continuous output
- 28 – 28.5 Volt output
- Over-voltage & Over-current protection
- No duty cycle
- Battery recharge time from discharge – 1-4 hours
- AC Input – 220 Volts only

### FEATURES

The GPU is rated at 3200 peak starting amps and a continuous 105 Amp DC output when connected to a 220 Volt AC source. The Li3328QC weighs approximately 135 lbs. and is pulled by hand or tug. Locking the handle in an upright position sets the GPU brake. The environmentally friendly durable low VOC powder coating helps to make this unit weather resistant and the recyclable non-toxic lithium batteries can be easily and safely returned to the Earth without any detrimental environmental repercussions.

Batteries have no memory effect and can be recharged at anytime. Made in the USA.

All Start Pac™ products come with a 1-year warranty on workmanship and materials. Batteries are cycle-dependent and therefore are not covered under this warranty. Please handle this unit in a responsible manner. Start Pac™ is not responsible for damages caused by misuse or neglect.



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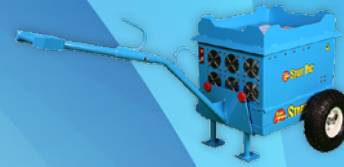
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Always recharge the GPU until the green charger light appears. Once charged, leave the unit plugged in at all times when not in operation to gain the maximum life form the battery bank.

Avoid discharging the batteries completely by using the unit for powering aircraft electrical systems as damage can result. Once the battery voltage reaches a pre-set low level the Low Voltage Protection System recharge light on the unit will illuminate. The unit must be immediately plugged in to prevent further discharge. Failure to plug the unit in immediately can result in permanent battery damage.

**Note-** PLEASE USE #12 or Larger AC EXTENSION CORD

**There are approximately thirty 110 volt and thirty 220 volt NEMA plugs in use.** Also, customers have various receptacle at their hangars and MRO facilities and may require specific AC cord length to meet their requirements. Due to these facts, we do not automatically provide AC power cords. If you provide the NEMA plug number and specify the AC power cord length you require we will build a cord to be shipped with your unit for a small fee.

For technical assistance, contact Jim Wurth, chief engineer, directly at (928) 231-4536 or at [jim@startpac.com](mailto:jim@startpac.com).

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