

**NEW PRODUCT**

# Intelligence Battery Pack "Mi-Pack II Manager"



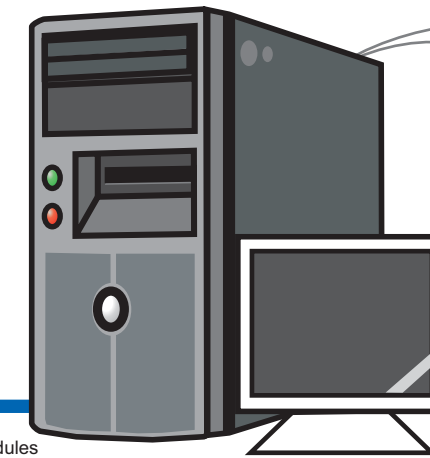
Application software  
Mi-Pack II Manager



Battery pack  
BS22A-H24/2.0L



Nonstop power supply  
eNSP3-450P-S20-H\*V

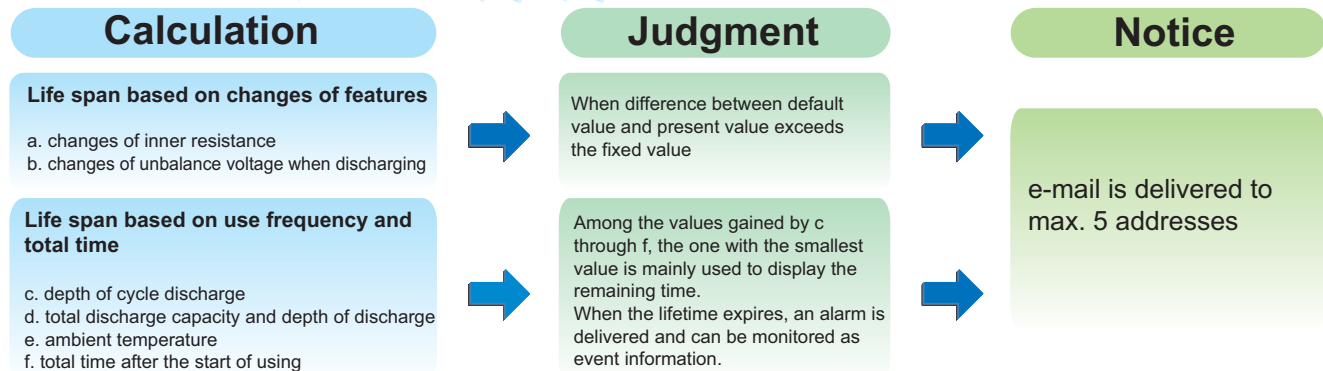


Adoption example  
TOSHIBA server  
MAGNIA LITE41SE

URL:www.magnia.toshiba.co.jp

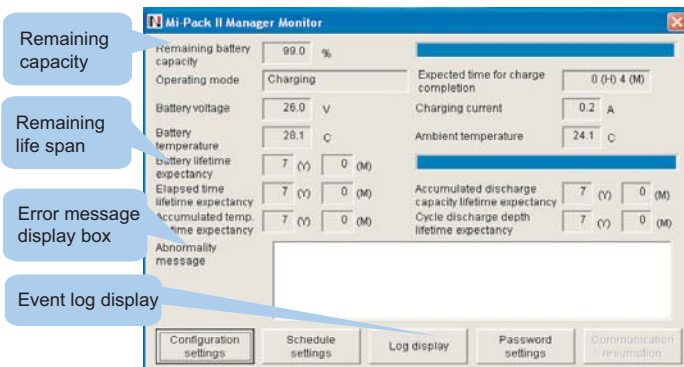
- OS specification**
- Windows Server 2008(x86/x64)
  - Windows Server 2008 Server Core(x86/x64)
  - Windows Server 2003 R2(x86/x64)
  - Windows Vista(x86)
  - Windows XP(x86)
  - Windows 2000 SP4(x86)(IE5.01 or later)

## Display battery Life span & Condition!



Gives notice for battery's life span, so periodical replacement of the battery pack will not be needed. It may possibly be used for more than 7 years without battery replacement.

### Monitor screen structure and operation (monitor)



### PC monitor display function

1. Battery voltage (unit: 0.1V)
2. Discharging current (unit: 0.1V)
3. Battery temperature (unit: 0.1 deg C)
4. Ambient temperature (unit: 0.1 deg C)
5. Life span based on depth of cycle discharge (unit: year/month)
6. Life span based on ambient temperature (unit: year/month)
7. Life span based on total discharge capacity (unit: year/month)
8. Life span based on time after the start of using (unit: year/month)
9. Log data display

- An error information is delivered via email.  
- RS-232C is equipped for external communication.

### Event recorder embedded for analysis

Keeps operating from the time of manufacturing, since EEPROM is embedded as an event recorder inside the battery pack. It memorizes the event log until the end of use, so it is possible to analyze when needed.

**MORE INFORMATION** <http://www.nipron.co.jp/> Search Mi-Pack II from Top page

### Notice

Requests to acquire CCC Standard for export commodity to China has been increasing. Nipron's products shown on the right has certified CCC Standard.

**CCC STANDARD**

CCC stands for China Compulsory Certification, which new certification is publicized from AQSIQ (State General Administration of the People's Republic of China for Quality Supervision and Inspection and Quarantine) and CNCA (Certification and Accreditation Administration of the People's Republic of China) due to China's reexamination of forced certification by WTO affiliate country.

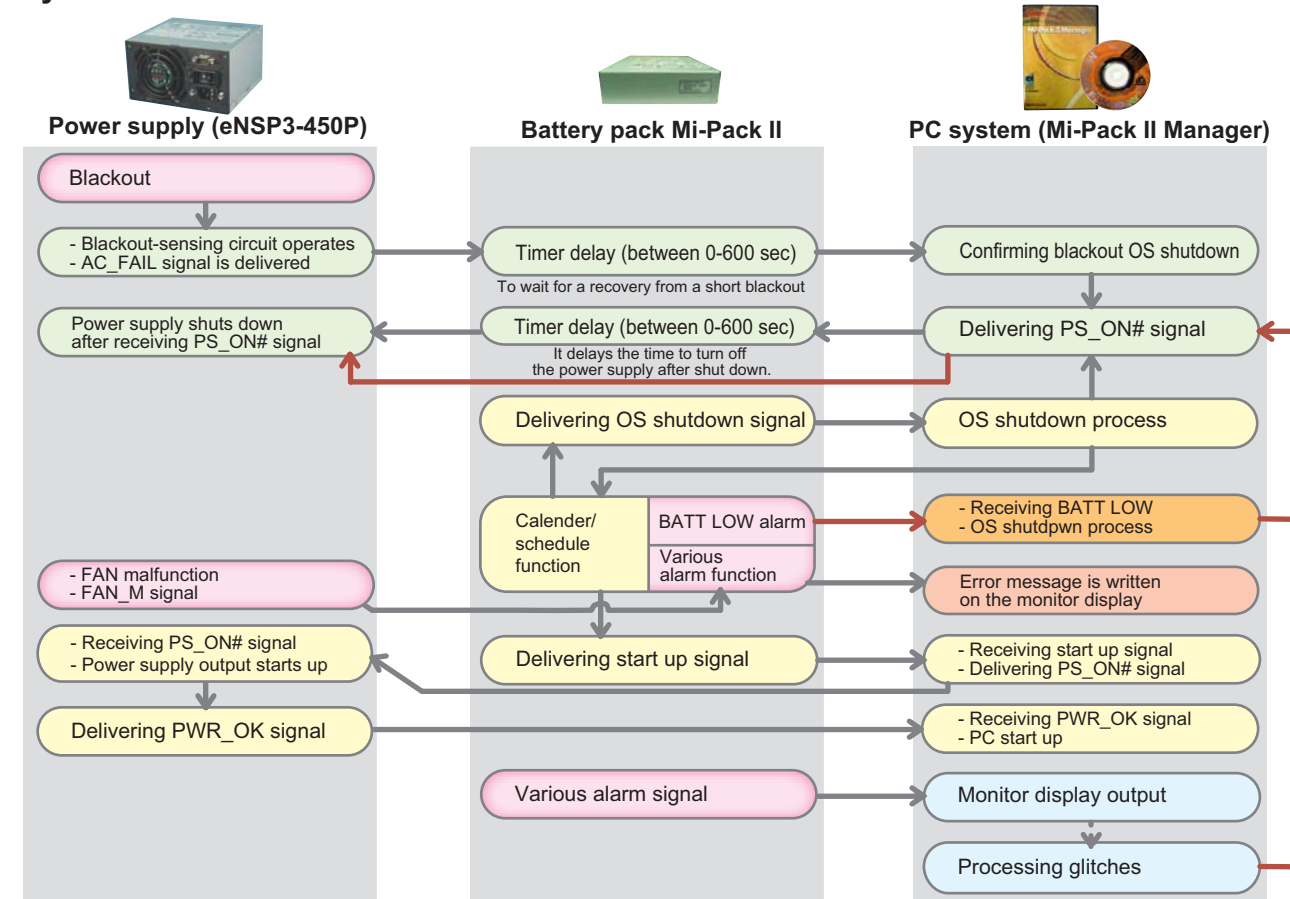
### CCC standard certified products



## Server's automatic operation is possible.

Using dedicated control software (Mi-Pack II Manager) enable to manage schedules in the PC (automatic start-up/shutdown). Not just specific date, you can also setup the schedule per week. That means, for example, daily start-up/shutdown operation at the work place as personal office if setting schedule by fixed day/time. Automatic operation is also available for production line, monitoring system, and others.

### System flowchart

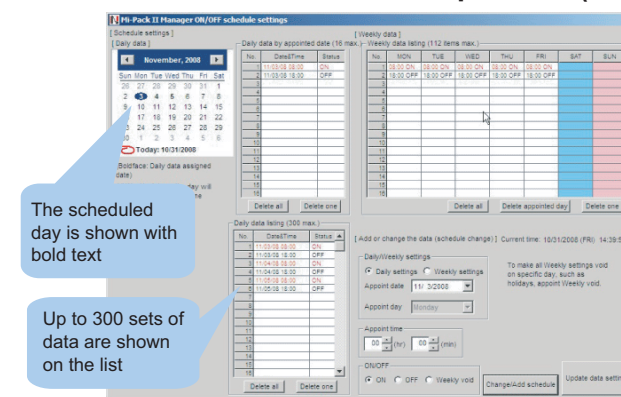


### Email information

- Start/stop monitoring
- Blackout/recovery occurred
- Battery voltage decreased
- Operate blackout shutdown
- Application registration
- Application start up failure
- Operate schedule shutdown
- Life span based on time after the start of using
- Life span based on total discharge capacity
- Life span based on ambient temperature
- Life span based on depth of cycle discharge
- Battery voltage difference prediction
- Inner resistance life span prediction
- Power supply fan abnormality/recovery
- Discharging current abnormality/recovery
- Battery pack fan abnormality/recovery
- Battery voltage rise abnormality/recovery
- Battery voltage decline abnormality/recovery
- Battery temperature rise abnormality/recovery
- Charging current abnormality

Announce the blackout via email through the internet

### Monitor screen structure and operation (Scheduling)



The scheduled day is shown with bold text

Up to 300 sets of data are shown on the list

For normal settings, use weekly setting. For special day such as public holiday and new year, use daily setting and modify or cancel the set-up time.