TIANNENG

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Tianneng Group Official
Tianneng Group Official (@GroupTianneng)
Tianneng Group

Website

Electronic brochure



TIANNENG

GREEN ENERGY SYSTEM SOLUTION PROVIDER

ABOUT US

Tianneng is a Global Leading New Energy Company committed to providing environmentally-friendly battery solutions for various industries worldwide since 1986.

Tianneng now has nearly 30,000 employees and more than 160 subsidiaries around the world. There are 18 production bases in 7 provinces in China and 2 oversea manufacturing center in Vietnam. Tianneng set up 7 R&D centers to constantly develop technology and keep innovation in the area of lead acid batteries, lithium batteries, hydrogen Fuel Cells, and Sodium-ion batteries.



Honor:

- Global Top 500 New Energy Enterprises — Rank 2
- China Top 500 Private Enterprises — Rank 27
- China Top 500 Enterprises — Rank 127
- China Top 100 Light Industry Enterprises — Rank 4

Main Business areas:

- Battery and system Solutions (Motive, SLI, Energy Storage)
- Battery Recycling Solutions (Lead Acid battery recycling, Lithium-ion battery recycling)

$7.5 billion
2025 Annual Sales

A+H Listed
688819.SH/00819.HK

8000+
Patents

No.2
Global Top 500 New Energy Enterprises

MILESTONE

MILESTONE OF TIANNENG GROUP

1986
Since 1986

1998
VRLA Battery Developed for E-bike

2004
Lithium Battery Developed

2007
Tianneng Group Listed on HONGKONG

2009
TN Circular Economy Base Estabilised

2010
National Honors for 18650 Series

2014
National Honors for Pb-C Battery

2018
Photovoltaic Energy Storage Project for the Gambian Presidential Palace

2021
Tianneng Battery Listed on SSE

2022
Launched the world' s first whole industry chain intelligent SLA factory

2023
Tianneng South Tai Lake Lithium Battery Production Base puts into operation

2024
Tianneng Vietnam Factory (phase 1) officially launched

2025
Tianneng Vietnam High-Performance Battery Plant Commissioning Ceremony & Apac Partner Conference

Global Footprint

18

China Production Base

Tianneng has established 18 production bases in eight provinces including Zhejiang, Anhui, Jiangsu, Henan, Guizhou, Shandong, Jiangxi and Gansu.

11

Overseas Offices (Established)

Vietnam, Thailand, Indonesia, India, Germany, Netherlands, Poland, Türkiye, Mexico, Chile, Nigeria

2

Overseas Production Base

Vietnam

7

Overseas Company

Vietnam, Indonesia, Philippines, Nigeria, Poland, Kenya, Singapore

1

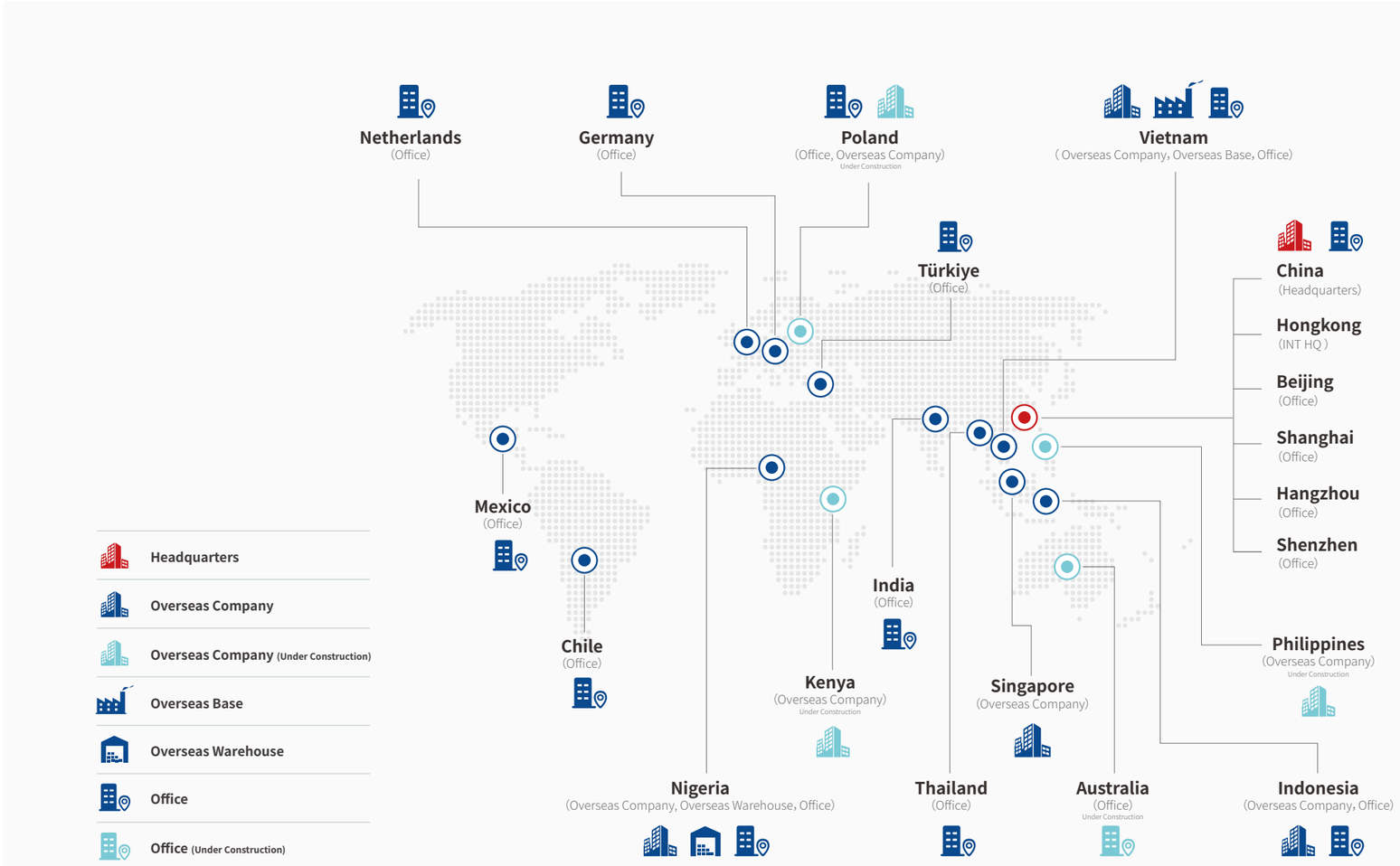
Overseas Warehouse

Nigeria

4

China Office

Beijing, Shanghai, Hangzhou, Shenzhen



INTELLIGENT FACTORY

Strong research and development strength

270+
Define industry standards

8000+
Industry patents

6
CNAS laboratories



In the intelligent factory, there are intelligent full-automatic production lines composed of first-class equipments, efficient energy-saving and environmental protection lines, and precise data command lines with the feature of achieving flexible manufacturing, energy conservation and environmental protection, and data traceability.



STARTER BATTERY-C SERIES

Strength

- Recommended Temperature ⩽ 70°C
- Suitable for Conventional Vehicle
- High Capacity Density (Large Charge/ Discharge Capacity)

Product Appearance



PRODUCT FEATURE

- **Long Life Cycle**
  Rare earth alloy grid→Extend Cycle Life
- **Strong Starting Capacity**
  Special Partition→Low Internal Resistance and Low Water loss
- **Excellent Vibration Resistance**
  Elastic reinforcement technology →Effectively Prevent the Active Materials Shedding
- **Excellent Charging Acceptance**
  Special Electrolyte Formula→ Great Charging Capacity
- **Maintenance Free**
  Labyrinth Top Cover Structure→ Don’ t Need to Add Water and Acid

APPLICATION

- Passenger Car
- Commercial Vehicle

STARTER BATTERY-S SERIES

Strength

- Recommended Temperature ⩽ 70°C
- Suitable For Conventional Vehicle in a Cold Region of High Latitude or Altitude
- High Capacity Density (Large Charge/ discharge Capacity)

Product Appearance



PRODUCT FEATURE

- **Long Life Cycle**
  High Tin Alloy Grid&Multistage Rolling Casting→Technology Extend Cycle Life
- **Stronger Starting Capacity**
  Multi-plate Design+Special Partition→Larger Discharge Capacity, Stronger Starting Capacity than Standard Battery.
- **Excellent Vibration Resistance**
  Elastic reinforcement technology →Effectively Prevent the Active Materials Shedding
- **Excellent Charging Acceptance**
  Special Electrolyte Formula→ Great Charging Capacity
- **Maintenance Free**
  Labyrinth Top Cover Structure→ Don’ t Need to Add Water and Acid

APPLICATION

- Passenger Car
- Commercial Vehicle

EFB START-STOP BATTERY

Strength

- Great Performance on Frequent and Continuous Engine Starting
- Save Fuel by 2% - 6% with Start Stop System
- Suitable for Conventional Vehicles Equipped with Idle Start Stop System
- Recommended Temperature ⩽70°C

Product Appearance



PRODUCT FEATURE

- **Long Life Cycle --- 2 Times Longer than SLA Battery**
  ①Special Rare Earth Alloy Formula→Enhance Grid Strength, Corrosion Resistance, Creep resistance
  ②High Temperature Steaming and Curing Process→Extend Cycling Life
- **Strong Starting Capacity (Large CCA)---1.1Times Strong than Original Battery**
  ①Middle Ear Dense Grid Technology→Excellent Large Current Discharge Performance at Low Temperature
  ②Duralife Technology→Low internal resistance and Strong Starting Ability at Low Temperature
- **Excellent Charging Acceptance**
  ①Advanced Electrolyte Additive →Great Charging Capacity
  ②High-energy Carbon Materia →Great Charging Capacity
- **Excellent Vibration Resistance**
  Tight Assembly Technology→ Effectively Prevent the Active Materials Shedding

APPLICATION

- Passenger Car

AGM START-STOP BATTERY

Strength

- High Security without Leakage
- Great Performance on Frequent and Continuous Engine Starting
- Save Fuel by 4% - 8% with Start Stop System
- Suitable for High-end Vehicles Equipped with Idle Start Stop System
- Recommended Temperature⩽60°C

Product Appearance



PRODUCT FEATURE

- **Long Life Cycle --- 3 Times Longer than SLA Battery**
  ①Special Rare Earth Alloy Formula→Enhance Grid Strength, Corrosion Resistance, Creep resistance
  ②High Temperature Steaming and Curing Process→Extend Cycling Life
- **Strong Starting Capacity (Large CCA)---1.2 Times Stronger than SLA Battery**
  ①Large Grid→Excellent Large Current Discharge Performance at Low Temperature
  ②Special Grid Structure Design →Low Internal Resistance and High Current Discharge Capacity
- **Excellent Charging Acceptance**
  ①Advanced Electrolyte Additive →Great Charging Capacity
  ②High-energy Carbon Materia →Great Charging Capacity
- **Excellent Vibration Resistance**
  High Elastic Fiberglass Partition → Effectively Prevent the Active Materials Shedding

APPLICATION

- Passenger Car

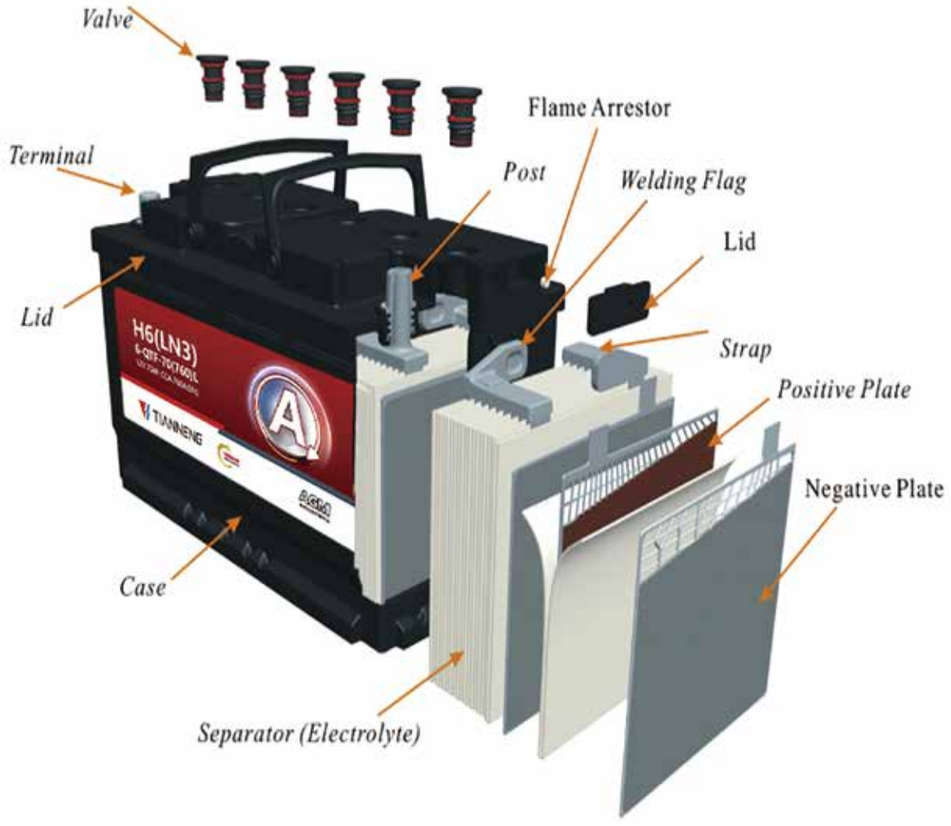
PRODUCT STRUCTURE DRAWING



STARTER BATTERY-S SERIES

STARTER BATTERY-C SERIES

EFB START-STOP BATTERY



AGM START-STOP VALVE-OPERATED BATTERY

PRODUCT INTRODUCTION

- Starter battery
- EFB Start-stop battery
- AGM Start-stop battery



STARTER BATTERY

Product Parameters





STARTER BATTERY-C SERIES

S/N	Model	International Model	International Standard	Nominal Voltage (V)	RC (min)	CCA/-18°C (A)	Dimension(mm)				Weight(kg)	Terminal	Layout
							L	W	H	TH			
1	46B24LS TA-C	46B24	JIS	12	61	360	238	129	203	227	11.1±1.0	T2	L
2	46B24RS TA-C	46B24	JIS	12	61	360	238	129	203	227	11.1±1.0	T2	R
3	46B24L TA-C	46B24	JIS	12	61	360	238	129	203	227	11.1±1.0	T1	L
4	46B24R TA-C	46B24	JIS	12	61	360	238	129	203	227	11.1±1.0	T1	R
5	46B24LX TA-C	46B24	JIS	12	61	360	238	129	203	227	11.1±1.0	T1	L
6	46B24LSX TA-C	46B24	JIS	12	61	360	238	129	203	227	11.1±1.0	T2	L
7	55D23LX TA-C	55D23	JIS	12	82	485	232	173	204	225	14.1±1.0	T2	L
8	55D23RX TA-C	55D23	JIS	12	82	485	232	173	204	225	14.1±1.0	T2	R
9	55D26LX TA-C	55D26	JIS	12	88	485	260	173	204	225	15.3±1.0	T2	L
10	55D26RX TA-C	55D26	JIS	12	88	485	260	173	204	225	15.3±1.0	T2	R
11	80D26LX TA-C	80D26	JIS	12	100	500	260	173	204	225	16.5±1.0	T2	L
12	80D26RX TA-C	80D26	JIS	12	100	500	260	173	204	225	16.5±1.0	T2	R
13	95D31LX TA-C	95D31	JIS	12	140	630	306	173	204	225	19.4±1.0	T2	L
14	95D31RX TA-C	95D31	JIS	12	140	630	306	173	204	225	19.4±1.0	T2	R
15	105E41R TA-C	105E41	JIS	12	180	700	408°₋₄	173°₋₄	205°₋₄	226	24.8±1.0	T2	R
16	105E41RB TA-C	105E41	JIS	12	180	700	408°₋₄	173°₋₄	205°₋₄	234	24.8±1.0	B	R
17	115E41R TA-C	115E41	JIS	12	170	730	408°₋₄	173°₋₄	205°₋₄	226	25.5±1.0	T2	R
18	58500 TA-C	58500	SAE	12	65	370	250	174	158	177	11.8±1.0	T2	R
19	85610 TA-C	85610	SAE	12	90	470	230	173	181	203	14±1.0	T2	L
20	86610 TA-C	86610	SAE	12	90	470	230	173	181	203	14±1.0	T2	R
21	L2-400 TA-C	L2-400	EN	12	85	485	242	175	190	190	14.1±1.0	T2	L
22	L2-400R TA-C	L2-400	EN	12	85	485	242	175	190	190	14.1±1.0	T2	R
23	T6 TA-C	T6	EN	12	100	525	278	175	175	175	15.5±1.0	T2	L
24	N150R TA-C	N150	JIS	12	240	800	510	216	194	217	35.8±1.0	T2	R
25	N150RB TA-C	N150	JIS	12	240	800	510	216	194	229	36±1.0	B	R
26	N180L TA-C	N180	JIS	12	275	850	510	216	194	217	38.5±1.0	T2	L
27	N180R TA-C	N180	JIS	12	275	900	510	216	194	217	38.5±1.0	T2	R
28	N200L TA-C	N200	JIS	12	340	1100	510	216	194	217	46.5±1.5	T2	L
29	N200R TA-C	N200	JIS	12	340	1100	510	216	194	217	46.5±1.5	T2	R
30	N225L TA-C	N225	JIS	12	400	1180	514	267	213	236	54.5±3	T2	L
31	N225R TA-C	N225	JIS	12	400	1180	514	267	213	236	54.5±3	T2	R

STARTER BATTERY-S SERIES

S/N	Model	International Model	International Standard	Nominal Voltage (V)	Nominal Capacity (Ah)	CCA/-18°C (A)	Dimension				Weight(kg)	Terminal	Layout
							L	W	H	TH			
1	38B20L TA-S	38B20	JIS	12	36	325	197	129	203	227	10.1±0.5	T1	L
2	38B20R TA-S	38B20	JIS	12	36	325	197	129	203	227	10.1±0.5	T1	R
3	55B24LS TA-S	55B24	JIS	12	45	400	238	129	203	227	11.8±1.0	T2	L
4	55B24RS TA-S	55B24	JIS	12	45	400	238	129	203	227	11.8±1.0	T2	R
5	55B24L TA-S	55B24	JIS	12	45	400	238	129	203	227	11.8±1.0	T1	L
6	55B24LSX TA-S	55B24	JIS	12	45	400	238	129	203	227	11.9±1.0	T2	L
7	55D23LX TA-S	55D23	JIS	12	60	500	232	173	204	225	15.4±1.0	T2	L
8	75D23LX TA-S	75D23	JIS	12	65	520	232	173	204	225	15.8±1.0	T2	L
9	55D26LX TA-S	55D26	JIS	12	60	500	260	173	204	225	16.5±1.0	T2	L
10	55D26RX TA-S	55D26	JIS	12	60	500	260	173	204	225	16.5±1.0	T2	R
11	80D26LX TA-S	80D26	JIS	12	70	600	260	173	204	225	17.8±1.0	T2	L
12	80D26RX TA-S	80D26	JIS	12	70	600	260	173	204	225	17.8±1.0	T2	R
13	95D31LX TA-S	95D31	JIS	12	80	660	306	173	204	225	20.1±1.0	T2	L
14	95D31RX TA-S	95D31	JIS	12	80	660	306	173	204	225	20.1±1.0	T2	R
15	105E41R TA-S	105E41	JIS	12	100	720	408°-4	173°-4	205°-4	226	26±1.0	T2	R
16	115E41R TA-S	115E41	JIS	12	120	850	408°-4	173°-4	205°-4	226	27.8±1.0	T2	R
17	31S750 TA-S	G31	SAE	12	90	750	334	176	222	239	24.7±1.0	S	R

STARTER BATTERY-S SERIES

S/N	Model	International Model	International Standard	Nominal Voltage (V)	Nominal Capacity (Ah)	CCA/-18°C (A)	Dimension				Weight(kg)	Terminal	Layout
							L	W	H	TH			
18	58500 TA-S	58500	SAE	12	48	430	250	174	158	177	12.9±1.0	T2	R
19	85610 TA-S	85610	SAE	12	55	550	230	173	181	203	15.1±1.0	T2	L
20	86610 TA-S	86610	SAE	12	55	550	230	173	181	203	15.1±1.0	T2	R
21	L2-400 TA-S	L2-400	EN	12	60	550	242	175	190	190	15.1±1.0	T2	L
22	L2-400R TA-S	L2-400	EN	12	60	550	242	175	190	190	15.1±1.0	T2	R
23	57220 TA-S	57220	EN	12	72	650	278	175	190	190	18±1.0	T2	L
24	20-82 TA-S	20-82	EN	12	80	680	315	175	190	190	19.9±1.0	T2	L
25	20-100 TA-S	20-100	EN	12	100	750	353	175	190	190	23±1.0	T2	L
26	54565 TA-S	54565	EN	12	45	350	207	175	175	175	11.8±1.0	T2	L
27	54565R TA-S	54565	EN	12	45	350	207	175	175	175	11.8±1.0	T2	R
28	T6 TA-S	T6	EN	12	66	590	278	175	175	175	16.5±1.0	T2	L
29	N120R TA-S	N120	JIS	12	120	780	507	183	194	216	32.5±1.0	T2	R
30	N135R TA-S	N135	JIS	12	135	850	507	183	194	216	33.8±1.0	T2	R
31	N150R TA-S	N150	JIS	12	150	850	510	216	194	217	38.5±1.0	T2	R
32	N150RB TA-S	N150	JIS	12	150	850	510	216	194	229	38.8±1.0	B	R
33	N165R TA-S	N165	JIS	12	165	900	510	216	194	217	40±1.0	T2	R
34	N180R TA-S	N180	JIS	12	180	950	510	216	194	217	41.5±1.0	T2	R
35	N200L TA-S	N200	JIS	12	200	1100	514	267	213	236	50±1.0	T2	L

START-STOP BATTERY

Product Parameters



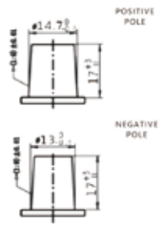
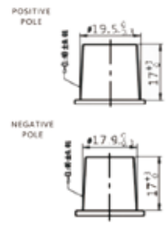
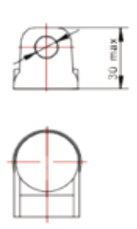
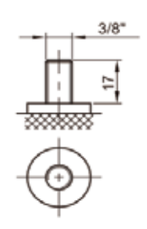
TAS (EFB START-STOP)

S/N	Model	International Model	International Standard	Nominal Voltage (V)	Nominal Capacity (Ah)	CCA/-18°C (A)	Dimension				Terminal	Layout
							L	W	H	TH		
1	Q-85 TAS	Q-85	JIS	12	60	610	232	173	204	225	T2	L
2	Q-85R TAS	Q-85R	JIS	12	60	610	232	173	204	225	T2	R
3	S-95 TAS	S-95	JIS	12	75	660	260	173	204	225	T2	L
4	H5(LN2) TAS	H5(LN2)	EN	12	60	640	242	175	190	190	T2	L
5	H5(LN2)R TAS	H5(LN2)	EN	12	60	640	242	175	190	190	T2	R
6	H6(LN3) TAS	H6(LN3)	EN	12	70	700	278	175	190	190	T2	L
7	H7(LN4) TAS	H7(LN4)	EN	12	80	750	315	175	190	190	T2	L
8	T7(LBN4) TAS	T7(LBN4)	EN	12	75	700	315	175	175	175	T2	L

TAA (AGM START-STOP)

S/N	Model	International Model	International Standard	Nominal Voltage (V)	Nominal Capacity (Ah)	CCA/-18°C (A)	Dimension /+2mm				Terminal	Layout
							L	W	H	TH		
1	H4(LN1) TAA	H4(LN1)	EN	12	50	570	207	175	190	190	T2	L
2	H5(LN2) TAA	H5(LN2)	EN	12	60	660	242	175	190	190	T2	L
3	H6(LN3) TAA	H6(LN3)	EN	12	70	720	278	175	190	190	T2	L
4	H7(LN4) TAA	H7(LN4)	EN	12	80	800	315	175	190	190	T2	L
5	H8(LN5) TAA	H8(LN5)	EN	12	92	850	353	175	190	190	T2	L
6	H9(LN6) TAA	H9(LN6)	EN	12	105	950	394	175	190	190	T2	L

Terminal

■ T1	■ T2	■ B	■ S
			

CONTACT US NOW!

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